| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | 11. CONTRACT ID | CODE | PAGE C | F PAGES |
|--|--|--|--|------------------------------------|
| | R (CPAF) | } | 1 | 3 |
| AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PU | RCHASE REQ. NO. | S. PROJECT N | vo. (If ap | plicable) |
| 201 | Comments of the Comments of th | N/A | | |
| . ISSUED BY CODE OA 7. ADMINISTERED 8 | BY (If other than Item | " CODE L | | |
| U.S. Department of Commerce | | | | |
| National Data Buoy Center | | | | |
| Stennis Space Center, MS 39529-6000 | | | | |
| Attn: Penny S. Parker (228) 688-1705 | L. LOD OMENION | ENT OF SOLI | CITATIO | N NO. |
| NAME AND ADDRESS OF CONTRACTOR MOST | (V) SA. AMENDA | | | |
| Science Applications International Corp. | | | | |
| A++n. Ms. Parri Engelsen , | 9B. DATED (| SEE ITEM 11) | | |
| One Hampton Parkway, Suite 300 | | | ONT DAG | TOPOSE |
| Hampton, VA 23666 | 10A. MODIF | CATION OF C | UNIKA | . 1/0/1044 |
| (757) 827-4842 | x 50-QA | w-0-004 | 02 | |
| (131) 321 131 | 108. DATED | (SER ITEM 13 | | |
| FACILITY CODE | May 1 | 3, 2000 | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF | SOLICITATIONS | | | |
| The above numbered solicitation is amended as set forth in Item 14. The hour and date specified | | is extended | ــا .، | is not ex- |
| The above numbered solicitation is amended as set for this fitter. The tree is a second as set for this fitter is a second as second as set for this fitter is a second as secon | t. d. fe. | f abo follo | owing me | thods: |
| ended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicite | stion or as amended, by | one of the lone | ich copy (| of the offer |
| (a) By completing Items 8 and 15, and returningcopies of the amendment. (b) By acknowledge of the amendment. | endment numbers. FAI | LURE OF YOU | IN ACK | OWLEDG |
| submitted, or (c) By separate letter of telegram DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR | TO THE HOUR AND | DATE SPECIF | made hy | telegram o |
| MENT TO BE RECEIVED AT THE PLACE DESIGNATION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer all N REJECTION OF YOUR OFFER. If by virtue of this amendment, and is etter, provided each telegram or letter makes reference to the solicitation and this amendment, and is | received prior to the of | pening hour and | date spe | CITIEG. |
| A ACCOUNTING AND APPROPRIATION DATA (If required) | | | | |
| and Agreementing Appropriations Schedule: Page 20 | O NO INCREA | | ממאנ | <u>-</u> |
| 13 THIS ITEM APPLIES ONLY TO MODIFICATIONS OF C | ONTRACTS/ORDE | HS, | | |
| 13. THIS TIEM APPLIES ONET TO ROBER NO. AS DESCRIT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIT MODIFIES THE CHANGES | SET FORTH IN ITEM | 14 ARE MADE | INTHE | CON- |
| IT MODIFIES THE CONTRACT/ORDER NO. AS DESCHIPTION OF THE CHANGES ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES TRACT ORDER NO. IN ITEM 10A. | | | | |
| AND AND ACTION DER IS MODIFIED TO REFLECT THE ADMIT | NISTRATIVE CHANG | ES (such as cha | nges in po | ying office |
| | FAR 43.103(b). | | | |
| B. THE ABOVE NUMBERED CONTRACTOR 14, PURSUANT TO THE AUTHORITY OF appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF | 05. | | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMIT Appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY | OF: | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION TO | OF: | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION II | OF: | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION | G | | | |
| D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. | aturn copi | es to the issui | ng offic | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION | eturn cop | es to the issui | ng offic | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B. 2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and results to the section of the section of AMENDMENT/MODIFICATION (Organized by UCF section headings, including the section of AMENDMENT/MODIFICATION SCHEDULE of the section and section is a construction. | eturn copi | es to the issui | ng offic | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION | eturn copi ding solicitation/contra e subject co ched: | es to the issui | ng office | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION TO ACCOUNT THE ACCOUNT T | eturn copi | es to the issui | ng office | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION TO ACCOUNTING AND APPROPRIATIONS SCHEDULE of the hereby revised by addition to page 2 C, attacknown and authority) Contract Value | eturn copi ding solicitation/contra e subject co ched: Total Su | es to the issui | ng office | e. |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PORSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and research to the section of amendment/modification (Organized by UCF section headings, included in the section headings in the section headi | eturn copi ding solicitation/contract e subject contract ched: Total Su \$3,772, | es to the issui | ng office | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and restricted by UCF section headings, included to a sign this document and restricted by UCF section headings, included to a sign this document and restricted by UCF section headings, included to a section headings, included to a section headings, included the section headings and the section headings are section headings. Included the section headings are section headings and the section headings and the section headings are section headings. Include headings are section headings and the section headings are section headings. Include headings are section headings and the section headings are section headings. Include headings are section headings are section headings. Include headings are section headings and the section headings are section headings. Include headings are section headings are section headings. Include headings are section headings are section headings. Include headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings. Include headings are section headings are section headings are section headings. Include headings are section | eturn copi ding solicitation/contract e subject contract ched: Total Su \$3,772, | es to the issui | ng office | e, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and restricted by UCF section headings, included to the contract of the contract Value Previous Value \$6.792,920 | eturn copi ding solicitation/contra e subject co ched: Total Su | es to the issui | ng office | e. |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IN CONTROL OF ACTION IN CONTROL OF AMENDMENT/MODIFICATION (Organized by UCF section headings, included in the control of | eturn copi ding solicitation/contract e subject contract ched: Total Su \$3,772, | es to the issui | ng office | e. |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and research to the section headings, included | turn copi ding solicitation/contracts a subject contracts ched: Total Su \$3,772, | es to the issuint subject matter in tract in Mallott 194.20 | ng offic r where / | easible.) |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION IT. D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and reserved by UCF section headings, included to a sign this document and reserved by UCF section headings, included to a sign this document and reserved to | eturn copi ding solicitation/contract e subject co ched: Total Su \$3,772, \$3,772, | es to the issuint subject matter in tract in Mallott 194.20 0 - 194.20 | ng office T where f S ced | ecsible.) |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PORSUANT TO ACTION TO ACCOUNTING AND APPROPRIATIONS SCHEDULE Of the hereby revised by addition to page 2C, attackness attackness and action to action | turn copi ding solicitation/contracts a subject contracts ched: Total Su \$3,772, | es to the issuint subject matter in tract in Mallott 194.20 0 - 194.20 | ng office T where f S ced | easible.) |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AGTHORY | sturn coping solicitation/contract subject coched: Total Su \$3,772, \$3,772, | es to the issuint subject matter in tract in Allott 194.20 0 - 194.20 | ng officer where f | easible.) full force |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PORSUANT TO ACTIONAL D. OTHER (Specify type of modification and authority) X Section B.2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and re 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, included). 1. ACCOUNTING AND APPROPRIATIONS SCHEDULE of the hereby revised by addition to page 2C, attack the hereby revised by addition t | turn coping solicitation/contract subject coched: Total Su \$3,772, \$3,772, \$3,772, Parker, Con | es to the issuification of the interact interact interact interact interactions of the | ng office r where / S ced ced red and in | ecuible.) full force print) |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AGTHORY: D. OTHER (Specify type of modification and authority) X Section B. 2 - Award Fee. E. IMPORTANT: Contractor X is not, Is required to sign this document and respectively. It is not, It is required by UCF section headings, included to a sign this document and respectively. It is not, It is required to sign this document and respectively. It is not, It is required to sign this document and respectively. It is not, It is required to sign this document and residual to the section headings, included to a section headings, included the respective to the section headings, included the respective to the document value and section to page 2 C, attack to the section headings, included the respective to t | turn coping solicitation/contract subject coched: Total Su \$3,772, \$3,772, \$3,772, Parker, Con | es to the issuint subject matter in tract in Allott 194.20 0 - 194.20 | ng officer where / S ced ged and in (Type or) Offi | ecsible.) full force print) icer |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO ACTION TO ACCOUNTING AND APPROPRIATIONS SCHEDULE Of the ACCOUNTING AND APPROPRIATIONS SCHEDULE Of the Action account to page 2C, attack to account to the Action account to the Action account to the Action account to the Action and Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, and effect. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, and effect. 15A. NAME AND TITLE OF SIGNER (Type or print) 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STA | turn coping solicitation/contract subject coched: Total Su \$3,772, \$3,772, \$3,772, Parker, Con | es to the issuint subject matter in tract in Mallott 194.20 0 - 194.20 emains unchans ING OFFICER tracting | ng officer where / S ced ged and in (Type or) Offi | ecsible.) full force |

Modification 0015 Page 2C

| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
|------|------|--|--|----------------|----------|
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | \$100,000.00 \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |

50-QANW-0-00402 Modification No. 0015 Page 3

- 2. This modification provides for incorporation of the 1st Period Award Fee of
- 3. SECTION B.2 <u>AWARD FEE</u> The amount of the award fee earned and the applicable periods are as follows:

| <u>Period</u> | Award Fee Period | Cumulative Award Fee |
|-------------------|------------------|----------------------|
| 07/01/00-09/30/00 | | |

- 4. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| COLLET | <u>Potential</u> | |
|---|---|---|
| <u>Period</u> | Estimated Cost | Award Fee |
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | \$6,860,920 \$6,580,339 \$6,691,560 \$6,810,387 \$6,930,906 | \$308,250 \$297,559 \$302,302 \$307,391 \$312,539 |

(2) Total contract value is computed as follows:

| Total Contract | Value | \$6,860,920 |
|----------------|-------|-------------|

| Total Sum Allotted | \$3,772,194,20 |
|---------------------------------|-------------------------|
| Potential Award Fee | \$ 308,250.00 |
| Estimated Period of Performance | 07/01/2000 - 01/19/2001 |

| | | | - SAIL | |
|--|--|---|--|--|
| AMENDMENT OF SOLICITATION | MODIFICATION (| OF CONTRACT | R (CPAF) | PAGE OF PAGES |
| | . EFFECTIVE DATE | 4. REQUISITION/PUR | | ECT NO. (If applicable) |
| 0016 | 12/04/00 | N/A | N/A | |
| CODE L | OA | 7. ADMINISTERED BY | CO | DE |
| U.S. Department of Commerce National Data Buoy Center Stennis Space Center, MS | | | | |
| Attn: Penny S. Parker (22) | 8) 688-1705 treet, county, State and 2 | IP Code) | (V) 9A. AMENDMENT OF | SOLICITATION NO. |
| Science Applications Attn: Ms. Parri Eng One Hampton Parkway, Hampton, VA 23666 | s Internation gelsen Suite 300 | | 98. DATED (SEE ITEM 10A. MODIFICATION (NO. X 50-QANW-0-0 108. DATED (SEE ITEM May 18, 200 | OF CONTRACT/ORDER |
| | ACILITY CODE | | | , , |
| 11. THIS ITEM The above numbered solicitation is amended as se | ONLY APPLIES TO | | [| unded Is not ex- |
| B. THE ABOVE NUMBERED CONTRACT/ORE appropriation date, etc.) SET FORTH IN ITE C. THIS SUPPLEMENTAL AGREEMENT IS EN X. Under scope, within term D. OTHER (Specify type of modification and au | this amendment you desire to the solicitation and the folicitation and the folicitation and the folicitation and folicitation and the folicitation and folicitat | e to change an offer alreadis amendment, and is received: Page 2 C IFICATIONS OF COMERNO. AS DESCRIENTLY) THE CHANGES SE EFLECT THE ADMINISTER AUTHORITY OF FAINT TO AUTHORITY OF ELIONS OF CONT | NO INCREASE IN NTRACTS/ORDERS, BED IN ITEM 14. TFORTH IN ITEM 14 ARE METATIVE CHANGES (such as IR 43.103(b). | be made by telegram or and date specified FUNDS ADE IN THE CON- changes in paying office, agreement. |
| E. IMPORTANT: Contractor L is not, X 14. DESCRIPTION OF AMENDMENT/MODIFICATI 1. ACCOUNTING AND APPROPF hereby revised by addi | ON (Organized by UCF & RIATIONS SCHE | ection headings, including DULE of the | solicitation/contract subject m subject contract | eatter where feasible.) |
| | Contract | Value | Total Sum Allo | otted |
| Previous Value This Action Current Value | \$6,860,9 - 0 \$6,860,9 | 20 | \$3,772,194.2 - 0 - \$3,772,194.2 | 0 0 |
| Except as provided herein, all terms and conditions of and effect. 15A. NAME AND TITLE OF SIGNER (Type or print) Parri Engelsen, Contracts Manager |) | 1 In Item 9A or 10A, as h 16A. NAME AND TIT PENNY S. Contractin | LE OF CONTRACTING OFFICE PARKER | ER (Type or print) |
| 15B. CONTRACTOR/OFFEROR | | 16B. WNITED STATE | | 16C. DATE SIGNED |
| Parm | 12/13/00 | - Count | Hitel e of Contracting Officer) | _ 12/24/00 |
| (Signature of person authorized to sign) | | <u>, I Y</u> | | FORM 30 (REV. 10-83) |
| NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE | 30 | 0-105 | Prescribed b FAR (48 CF | y GSA |

Modification 0016 Page 2C

| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
|------|----------|--|--|----------------|----------|
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| - | | <u> </u> | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0016 | <u> </u> | N/A | | | |

50-QANW-0-00402 Modification No. 0016 Page 3

2. This modification provides for incorporation of:

modification neither increased nor decreased the contract value.

3. SECTION B.1 <u>SCOPE OF WORK</u>, Paragraph (a), is hereby revised as follows:

Period ST Hours O/T Hours Total Hours

07/01/00-06/30/01
07/01/01-06/30/02
07/01/02-06/30/03
07/01/03-06/30/04
07/01/04-06/30/05

| - | | | 11. CONTRACT IL |) CODE | FAGE OF FAGES |
|--|---|--|--|--|---------------------------|
| AMENDMENT OF SOLICITATION/M | | F CONTRACT | R (CPAF) | 16 7701567 | NO (If applicable) |
| . AMENDMENT/MODIL TOX. | | a. requisition/pur NWWG9500102 | | N/A | (10 12) Gpp 12002) |
| | 2/06/00 | 7. ADMINISTERED BY | (If other than Item | | |
| U.S. Department of Commerce National Data Buoy Center | OA = 39529-6000 | | | | |
| Attn: Penny S. Parker (228 |) 688-1705 | TP Code) | (√) 9A. AMEND | MENT OF SOL | ICITATION NO. |
| NAME AND ADDRESS OF CONTRACTOR (No. 180 | eer, county, State and 2. | | 107 | | |
| Science Applications Attn: Ms. Parri Enge One Hampton Parkway, Hampton, VA 23666 | elsen | ar corp. | 10A. MODIF | (SEE ITÉM 11, | ONTRACT/ORDE |
| (757) 827-4842 | | | | NW-0-00 | |
| | | | May 1 | 8, 2000 | 3) |
| ODE FA | ACILITY CODE | MENDMENTS OF S | | | |
| | ONLY APPLIES TO A | | | | ad Is not ex |
| The above numbered solicitation is amended as set ended. Offers must acknowledge receipt of this amendment price is allowed by completing Items 8 and 15, and returning instituted, or (c) By separate letter or telegram which MENT TO BE RECEIVED AT THE PLACE DESIGNA'N REJECTION OF YOUR OFFER. If by virtue of the etter, provided each telegram or letter makes reference | or to the hour and date scopies of the amendm includes a reference to th TED FOR THE RECEIP ris amendment you desir to the solicitation and the | pecified in the solicitation in the solicitation and amend of OFFERS PRIOR | on or as amended, b ging receipt of this a dment numbers. FA TO THE HOUR AN | oy one of the following mendment on a NILURE OF YOUR DON'T SPECI | FIED MAY RESUL |
| 2. ACCOUNTING AND APPROPRIATION DATA (If | required) | | | | 06,000.00 |
| See Accounting/Appropriat | ions Schedule | Page 2C | | | 00,000.00 |
| 13. THIS ITEM APPL | IES ONLY TO MODI E CONTRACT/ORD | ER NO AS DESCRI | BED IN ITEM 14 | | |
| IT MODIFIES THE ABOVE NUMBERED CONTRACT/ORD appropriation date, etc.) SET FORTH IN ITEM C. THIS SUPPLEMENTAL AGREEMENT IS EN | ER IS MODIFIED TO R | EFLECT THE ADMINI | STRATIVE CHANG AR 43.103(b). | | |
| } | | | | | |
| D. OTHER (Specify type of modification and aut X FAR 52.232-22 - "Limita | tions of Fun | ds." | | | |
| E. IMPORTANT: Contractor X is not, | is required to sign th | is document and retu | | ies to the issu | |
| 1. ACCOUNTING AND APPROPR hereby revised by addi | IATIONS SCHE | DULE of the | subject co | ntract | is |
| | Contract | Value | Total St | ım Allot | ted |
| Previous Value | \$6,860,9 - 0 | | \$3,772, 506, | 194.20 000.00 | |
| This Action Current Value | - 0 \$6,860,9 | 20 | 506, \$4,278, | 194.20 | |
| Except as provided herein, all terms and conditions of | the document referenced | in Item 9A or 10A, as i | neretofore changed, | remains unchar | nged and in full force |
| and effect. 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TIT | LE OF CONTRAC | TING OFFICE | t (Type or print) |
| AND HOME ONE THE CO. STORES (ST. C. | | | | ~ | or Officer |
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNE | 168. UNITED STATE | SOF AMERICA | ntractio | 16C. DATE SIGN |
| | | BY AURES | re of Contracting O | <i></i> | 12/06/00 |
| (Signature of person authorized to sign) | | 1 | | STANDARD F | ORM 30 (REV. 10-6 |
| NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE | 30 | -105 | | Prescribed by C | 35A |

JHIC-

Modification 0017 Page 2C

| | | r | | | |
|------|------|---|--|----------------|----------|
| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0016 | | N/A | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0017 | S-16 | 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RMAJ34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |

50-QANW-0-00402 Modification No. 0017 Page 3

- 2. This modification provides for incorporation of incremental contract funding of \$506,000.00.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED</u> <u>CONTRACT</u>, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| 33 | <u>Potential</u> | |
|---|---|---|
| Period | Estimated Cost | Award Fee |
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | \$6,860,920 \$6,580,339 \$6,691,560 \$6,810,387 \$6,930,906 | \$308,250 \$297,559 \$302,302 \$307,391 \$312,539 |

(2) Total contract value is computed as follows:

| Total Contract | Value | \$6,860,920 |
|----------------|-------|-------------|

| Total Sum Allotted | \$4,278,194.20 |
|---------------------------------|-------------------------|
| Potential Award Fee | \$ 308,250.00 |
| Estimated Period of Performance | 07/01/2000 - 02/16/2001 |

| A THE ROLL OF SOLICITATION | UMODIFICATION | OF COM LICE. | R (CPAF) | 1 | 1 4 |
|--|--|--|--|--|--|
| AMENDMENT OF SOLICITATION | 3. EFFECTIVE DATE | 4. REQUISITION/PUR | CHASE REQ. NO. | 5. PROJECT NO. (II | applicable) |
| AMENDMENT/MODIFICATION NO. | , | | 60 S=17 _ | N/A | |
| 0018 | 12/08/00 | 7. ADMINISTERED B | Y (If other than Item | CODE L | |
| ISSUED BY CODE | | <u> </u> | | | |
| U.S. Department of Commer | :ce | , | | | |
| Mational Data Buoy Center | 39529-6000 | | | | |
| Stennis Space Center, MS | 5,000 | , | | | |
| - Darker (2 | 28) 688-1705 | LITTE Code) | () PA. AMENDA | ENT OF SOLICITAT | ION NO. |
| Attn: Penny S. Parker (2) NAME AND ADDRESS OF CONTRACTOR (No.) | , street, county, State and | 217 Code) | | • | |
| Caiange Application | ns Internation | nal Corp. | | | |
| Ma Darri fil | UCET2C11 | | 9B. DATED (| SEE ITEM 11) | |
| One Hampton Parkway | y, Suite 300 | | | CATION OF CONTR. | ACT/ORDER |
| Hampton, VA 23666 | • | | 10A. MODIF | CATION OF GOTTON | |
| * , | • | • | x 50-QA | W-0-00402 | |
| (757) 827-4842 | | | 10B. DATED | (SEE ITEM 13) | |
| | | | May 1 | 8, 2000 | |
| | FACILITY CODE | THE OF | | | |
| DDE 11. THIS ITE | MONLY APPLIES TO | O AMENDMENTS OF | SOLICITATIONS | is extended, | is not ex- |
| | forth in Item 14. The | hour and date specified t | or receipt of Otters | | |
| The above numbered solicitation is amended a | | resulta abo nolicita | tion or as amended, by | one of the following | nethods: |
| The above numbered solicitation is amended a sinded. Iffers must acknowledge receipt of this amendmen as by completing Items 8 and 15, and returning — By completing Items 8 and 15, and returning — | it prior to the hour and da | te specified in the solicite | daing receipt of this ar | nendment on each cop | y of the offer |
| Offers must acknowledge receipt of this amendmen by the second of the se | copies of the amen | o the solicitation and ame | endment numbers. FA | DATE SPECIFIED M | AY RESULT |
| ubmitted; or (c) By separate letter or telegram w | NATED FOR THE RECE | IPT OF OFFERS PRIOR | ready submitted, such | change may be made to | y telegram o necified. |
| a) By completing Items 8 and 15, and reviting ubmitted; or (c) By separate letter or telegram with MENT TO BE RECEIVED AT THE PLACE DESIGN REJECTION OF YOUR OFFER, if by virtue etter, provided each telegram or letter makes referenter, provided each telegram or letter makes referenter. | of this amendment you de | d this amendment, and is | received prior to the o | pening hour and date s | |
| etter, provided each teregram of | a cra cuired) | | | ASE: \$94,00 | 0.00 |
| 2. ACCOUNTING AND APPROPRIATION DATA See Accounting/Appropri | ations Schedu | ile: Page 2C | NET INCRE | ASE: #31700 | |
| See Accounting/Appropri | APPLIES ONLY TO MC | DDIFICATIONS OF C | ONTRACTS/ORD | :RS, | |
| IT MODIFIES | APPLIES ONLY TO MO S THE CONTRACT/OF | DER NO. AS DESCH | SET FORTH IN ITEM | 14 ARE MADE IN TH | IE CON- |
| THIS CHANGE ORDER IS ISSUED PUR | SUANT TO: (Specify aut | nontry) III | | • | |
| B. THE ABOVE NUMBERED CONTRACT/ appropriation date, etc.) SET FORTH IN | | | USTRATIVE CHANG | ES (such as changes in | paying office |
| THE RECYE NUMBERED CONTRACT/ | ORDER IS MODIFIED TO | O REFLECT THE ADMIT | FAR 43.103(b). | | |
| appropriation date, etc.) SET FORTH IN C. THIS SUPPLEMENTAL AGREEMENT IS | FUTERED INTO PURS | UANT TO AUTHORITY | OF: | | oment |
| C. THIS SUPPLEMENTAL AGREEMENT IS X Under scope, within t | erms and cond | litions of co | ntract; by | mutual agre | ement. |
| X Under scope, Within C | CTIND CTIO | · | | | |
| a distantion on | d authority) | ! | | | |
| D. OTHER (Specify type of modification an | d authority) | | | | |
| D. OTHER (Specify type of modification and | | | | ios to the issuing of | fice. |
| D. OTHER (Specify type of modification and | X is required to sign | this document and re | turn <u>3</u> cop | ies to the issuing of | fice. |
| D. OTHER (Specify type of modification and | X is required to sign | this document and re | turn <u>3</u> cop | ies to the issuing of | fice. |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC | x is required to sign | this document and re | turn 3 continue continue continue collecte co | ies to the issuing of | fice. |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC | x is required to sign | this document and re | turn 3 con ling solicitation/confine subject controls; hed: | ies to the issuing of letsubject matter when ontract is | fice. |
| D. OTHER (Specify type of modification and | x is required to sign CATION (Organized by UC) DPRIATIONS SCIENT TO particular to part | this document and reference included the property of the ge 2 C, attack | turn 3 con ling solicitation/confine subject controls; hed: | ies to the issuing of | fice. |
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| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIES hereby revised by account of the property of the propert | X is required to sign ATION (Organized by UC) DPRIATIONS SCI Idition to pace | this document and reference to the d | turn 3 cop ling solicitation/control subject co thed: Total Si \$4.278 | nies to the issuing of loct subject matter when ontract is matter and Allotted 194.20 | fice. |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRED Hereby revised by account of the provious value. | X is required to sign ATION (Organized by UC) DPRIATIONS SCI Idition to par Contra \$6.860 | this document and reference to the d | turn 3 cop ling solicitation/control : subject co :hed: Total Si \$4,278, | ies to the issuing of intract is in Allotted | fice. |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPRO hereby revised by account of the provious value This Action | X is required to sign ATION (Organized by UC) DPRIATIONS SCI Idition to par Contra \$6.860 | this document and reference to the d | turn 3 cop ling solicitation/control subject co thed: Total Si \$4.278 | ies to the issuing of intract is in Allotted | fice. |
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| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIED by account of the previous value of the previous valu | x is required to sign CATION (Organized by UC) DPRIATIONS SCIENT CONTRACTOR CONTRACTOR CONTRACTOR S6,860 523 \$7,384 | this document and reference to the document and reference to the decrease of t | turn 3 cop line solicitation/control subject co thed: Total Si \$4,278, 94, \$4,372, | ies to the issuing of outsubject matter when ontract is am Allotted 194.20 000.00 194.20 | fice. re feasible.) |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIED BY ACCOUNTING APPROPRIED BY ACCOUNTING AND APPROPRIED BY ACCOUNT APPROPRIED | x is required to sign CATION (Organized by UC) DPRIATIONS SCIENT CONTRACTOR CONTRACTOR CONTRACTOR S6,860 523 \$7,384 | this document and reference to the document and reference to the decrease of t | turn 3 cop line solicitation/control subject co thed: Total Si \$4,278, 94, \$4,372, | ies to the issuing of outsubject matter when ontract is am Allotted 194.20 000.00 194.20 | fice. re feasible.) |
| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIED BY ACCOUNTING APPROPRIED BY ACCOUNTING AND APPROPRIED BY ACCOUNT APPROPRIED | x is required to sign CATION (Organized by UC) DPRIATIONS SCIENT CONTRACTOR CONTRACTOR CONTRACTOR S6,860 523 \$7,384 | this document and reference the section headings, included the property of the section and the | turn 3 continue solicitation/continue subject continue subject continue subject solicitation/continue subject solicitation/con | ies to the issuing of intract is ontract is im Allotted 194.20 000.00 194.20 | fice. e feasible.) |
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| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIES ACCOUNTING AND APPROPRIES ACCION Previous Value This Action Current Value Except as provided herein, all terms and condition and effect. 15A. NAME AND TITLE OF SIGNER (Type or Parri Engelsen Contracts Manager | x is required to sign ATION (Organized by UC) OPRIATIONS SCIENT OF ATION CONTRACTOR (CONTRACTOR (CONTR | this document and reference to the document and reference to headings, included a contract to the document and reference to th | turn 3 continue solicitation/continue subject continue subject subje | ies to the issuing of intract is in Allotted 194.20 000.00 194.20 remains unchanged an | fice. e feasible.) d in full force |
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| E. IMPORTANT: Contractor is not, 14. DESCRIPTION OF AMENDMENT/MODIFIC 1. ACCOUNTING AND APPROPRIES ACCOUNTING TO SIGNER (Type or Parri Engelsen Contracts Manager 158. CONTRACTOR/OFFEROR | x is required to sign ATION (Organized by UC) OPRIATIONS SCIENT OF ATION (Organized by UC) OPRIATIONS SCIENT OF ATION (CONTRACTOR) (Contractor) (Continued ons of the document reference) [15C. DATE SIGN 12/27 | this document and reference in this document and reference in the section headings, included the property of t | turn 3 continue solicitation/continue subject continue subject subje | ies to the issuing of ict subject matter when ontract is im Allotted 194.20 000.00 194.20 remains unchanged an TING OFFICER (Typ. | d in full force or print) |
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| 0011 | s-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
|------|----------------|--|--|----------------|----------|
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | s-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 2015 | | N/A . | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0015 | ļ - | | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0016 | S-16 | N/A 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RMAJ34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |
| 0018 | S-17 | BM1J89RA 1WG9500 2513 | \$94,000.00 \$94,000.00 | \$4,372,194.20 | 12/08/00 |

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- 2. This modification provides for incorporation of:

 project from 11/01/00 through 6/30/01, (a)

 for extension of the FAA

 project; (4/3 the attached FAA schedule, Gulf of Mexico Buoy

 FAA project; (4/3 the attached FAA schedule, Gulf of Mexico Buoy

 Communication System SOW, Contract Data Requirements list,

 Communication System SOW, Contract Data Item Description; and

 Functional Specification FAA-E-2899, and Data Item Description; and

 (4) incremental contract funding of \$94,000.00.
- 3. SECTION B.1 SCOPE OF WORK, Paragraph (a), is hereby revised as follows:

| follows: | c | /T Hours | Total | Hours | |
|---|--------------------|----------|--------------|--------|--|
| period | | | | | |
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | AT.T.OWABLE | COSTS I | NCREMENTALLY | FUNDED | |

- 4. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED</u>

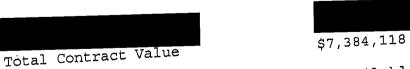
 <u>CONTRACT</u>, Paragraphs (1), (2), and (3) are hereby revised as

 follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

 Potential

| cont | ract period. | <u>Potential</u> |
|---|---|---|
| | Estimated Cost | <u>Award Fee</u> |
| Period 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | \$7,384,118 \$6,793,307 \$6,691,560 \$6,810,387 \$6,930,906 | \$332,146 \$307,185 \$302,302 \$307,391 \$312,539 |
| 07/01/04-00/30/0 | | - c-110000 |

(2) Total contract value is computed as follows:



50-QANW-0-00402 Modification No. 0018 Page 4

4. (Continued)

Total Sum Allotted

Potential Award Fee Estimated Period of Performance \$4,372,194.20 \$ 332,146.00 07/01/2000 - 02/02/2001

5. SECTION B.4 PAYMENT FOR OVERTIME PREMIUMS

As provided in the clause of this contract entitled "Payment for Overtime Premiums" (FAR 52.222-2), the dollar amount of overtime authorized pursuant to said clause shall not exceed the amount specified below for the indicated period, provided also that such authorization shall have been given through the issuance of Technical Directives.

| Performance Period | <u>OT Base</u> Authorized | OT Premium Authorized | |
|--|------------------------------|--------------------------|--|
| 07/01/00-06/30/01 | | i. Program | |
| 07/01/01-06/30/02 | | | |
| 07/01/03-06/30/04 07/01/04-06/30/05 | | | |

Attachment A: Schedule

| | | QTY | SCHEDULE |
|----------------|--|-----|----------------------|
| ITEM | SUPPLIES & SERVICES | | |
| 0001 | Buoy component, BCS, with remote buoy communications system (RBCS) IAW the SOW and FAA-E-2899 | | |
| 00010 | | 1 | Sep-01 |
| 0001a | Buoy 3 (LNBxx) | ′ 1 | Jun-02 |
| 0001b 0002 | Buoy 4 (LNBxx) Refurbished buoy component, BCS, with remote buoy communications system (RBCS) IAW the SOW and FAA-E-2899 | | |
| 0002a | Buoy 1 (LNB11) | 1 | Apr-01 |
| 0002a 0002b | TO A REPORT | 1 | Feb-02 as ordered |
| 00025 | Satellite communications services IAW the SOW and FAA-L- | Lot | |
| 0004 | 2899 Upgraded Control Facility, ARTCC Houston IAW the SOW | 1 | Apr-01 |
| 0005 | and FAA-E-2899 Upgraded NDBC Support Facility IAW the SOW and FAA-E- | 1 | Apr-01 |
| | 2899 | Lot | as req |
| 0006 | Technical Support Services | Lot | mthly - |
| A001 | Monthly Project Mgmt Status Report (SOW 3.2.1) | Lot | as req |
| A002 | Agenda (SOW 3.2.2) | Lot | as req |
| A003 | Minutes (SOW 3.2.2) | Lot | qtrly . |
| A005 | Configuration Status Accounting Rpt (SOW 3.4) | . 6 | Nov-00 |
| A006 | Program Management Plan (SOW 3.1) | Lot | as req |
| A008 | System Problem Report (SOW 3.4.2) | 6 | Nov-00 |
| A010 | System Safety Plan (SOW 3.8) | 6 | Nov-00 |
| A013 | Human Factors Plan (SOW 3.9) | | |
| A014 | Technical Design Review Data Package (SOW 3.2.2) | 6 | Oct-00 |
| A014a | Post Contract Award Review (SOW 3.2.2.1) | 6 | Oct-00 |
| A014b | Preliminary Design Review (SOW 3.2.2.2) | 6 | Feb-01 |
| A014c | Critical Design Review (SOW 3.2.2.3) | Lot | as req |
| B001 | Request for Deviation/Waiver (SOW 3.4.3) | Lot | May-01 |
| B002 | System/Subsystem Description (SOW 4.3.1) | 7 | Apr-01 |
| C001 | COTS Software Documentation Package (SOW 5.1.1) | 7 | Apr-01 |
| C002 | Custom Program Source Code (SOW 5.2) | 7 | Apr-01 |
| C003 | Commented Program Listing (SOW 5.2) | 10 | Dec-00 |
| D001 | Site installation Plan (SOW 8.1) | 7 | 60 DATC |
| D002 | As Built Site Installation Drawings (SOW 8.1) | 6 | Jan-01 |
| E001 | Contractor Master Test Plan (SOW 7.1) | . 6 | Jan-01 |
| E002 | Test Procedure (SOW 7.1) | 6 | 30 DATC |
| E003 | Test Report (SOW 7.2.2) | 6 | Dec-00 |
| H001 | Integrated Support Plan (SOW 6) | Ŭ | •• |

| | | QTY | SCHEDULE |
|-------|---|-----|----------|
| ITEM | SUPPLIES & SERVICES | 6 | Apr-01 |
| L001 | Engineering Data Package (SOW 3.4.1) | . 3 | Mar-01 |
| L003 | Provisioning Data (SOW 9.2) | 8 | Mar-01 |
| L004 | Support and Test Equipment List (SOW 9.2.2) | . 4 | Mar-01 |
| L005 | Provisioning Technical Documentation. (SOW 9.3.1) | Lot | as req |
| L006 | Engineering Change Orders (SOW 9.3.1) | 4 | Nov-00 |
| L010 | Maintainability Plan (SOW 9.4.1.1) | 3 | Apr-01 |
| L011 | Depot Repair Procedures (SOW 9.4.2) | Lot | qtrly |
| L012 | Maintenance and Repair Report (qtrly) (SOW 9.4.2.2) | 3 | Apr-01 |
| L013 | Refurbishment Planning Doucment (SOW 9.4.2.3) | 9 | May-01 |
| L014 | Equipment Technical Instruction Book (SOW 9.5) | 9 | May-01 |
| L015 | Buoy Equipment Technical Instruction Book (SOW 9.5) | 4 . | Oct-00 |
| T001 | Task and Skills Analysis Report (SOW 9.6.3) | 3 | Dec-00 |
| T002 | Course Design Guide (SOW 9.6.3) | 3 | Dec-00 |
| T003 | Course Schedule (SOW 9.6.3)+B34 | 3 | Apr-01 |
| T004 | Student Achievement Test (SOW 9.6.3) | 3 | Apr-01 |
| T005 | Lesson Plan (SOW 9.6.3) | 3 | May-01 |
| T006 | Student Materials (SOW 9.6.3) | ÷ 4 | May-01 |
| T009 | Course Walk-Through (SOW 9.6.3) First Course Conduct and Course Report (SOW 9.6.3) | 4 | Jun-01 |
| T010 | Theory of Operations Examination (SOW 9.6.3) | 3 | Apr-01 |
| ,T011 | Theory of Operations Examination (COW 9.6.3) | 3 | Apr-01 |
| T012 | Performance Evaluation (SOW 9.6.3) | | |

| | | | 11 C | ONTRACT ID | CODE | PAGE OF PA | 1053 |
|--|--|--|--------------|--|--------------------------------|-------------------|--------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | R | (CPAF) | | 1 1 3 | 3 |
| AMENDMENT/MODIFICATION NO. 3 EFFECTIVE DATE 4. REQUISITION/PURG | | | HAS | E REQ. NO. | 5 PROJECT | NO. (If applica | blej |
| 0019 | 12/08/00 | N/A | | | N/A | | |
| € ISSUED BY CODE | QA | 7 ADMINISTERED BY | (1) 01 | ner man item | °', code l | | |
| U.S. Department of Commer National Data Buoy Center Stennis Space Center, MS | | | | | | | |
| Attn: Penny S. Parker (22) NAME AND ADDRESS OF CONTRACTOR (No. | 8) 688-1705 | (IP Code) | (/) | ISA. AMENDA | MENT OF SOLI | ICITATION NO | 5. |
| | | | (87) | | | | |
| Science Application Attn: Ms. Parri En One Hampton Parkway Hampton, VA 23666 | gelsen | al Corp. | | | SEE ITEM 11) | ONTRACT/OF | RDEP |
| (757) 827-4842 | | | x | 50-QA | NW - 0 - 0 0 4 (SEE ITEM 13 | | |
| | | | 4 | | 8, 2000 | , | |
| | FACILITY CODE | ALLENDA ENTE OF C | | | 0, 2000 | | |
| | ONLY APPLIES TO | | | | is extende | . 🗇 | ot ex- |
| The above numbered solicitation is amended as a tenced Ofters must acknowledge receipt of this amendment if the second s | prior to the hour and date copies of the amendich includes a reference to later properties. ATED FOR THE RECEIF this amendment you desire to the solicitation and the soli | specified in the solicitation ment, (b) By acknowledgues the solicitation and amend TOF OFFERS PRIOR T | ing rediment | es amended, by ceipt of this an numbers, FAI E HOUR AND | LURE OF YOU DATE SPECIF | JR ACKNOWL | EDG- SULT |
| 12. ACCOUNTING AND APPROPRIATION DATA | (If required) | | | | SE IN F | | |
| See Accounting/Appropria | tions Schedul | | | | | | |
| | PLIES ONLY TO MOD THE CONTRACT/ORD | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSU | JANT TO: (Specify autho | nty) THE CHANGES SE | T FO | RTH IN ITEM | | | |
| B THE ABOVE NUMBERED CONTRACT/OF appropriation date, etc.) SET FORTH IN IT | RDER IS MODIFIED TO F | REFLECT THE ADMINIS HE AUTHORITY OF FA | TRA | TIVE CHANGI .103(b). | ES (such as cha | nges in paying (| office |
| IC. THIS SUPPLEMENTAL AGREEMENT IS | NTERED INTO PURSUA | NT TO AUTHORITY OF | ·. | | | | |
| X Under scope, within te | rms and condi- | tions of cont | rac | et; by n | utual a | greement | |
| | | | · | ` | | ing office | |
| E. IMPORTANT: Contractor is not, 14 DESCRIPTION OF AMENDMENT/MODIFICAT 1. ACCOUNTING AND APPROPHER PROPHER P | RIATIONS SCHE | DULE of the | sub | | | | ē.) |
| | Contract | . Value | T | otal Su | m Allott | <u>:eđ</u> | |
| Previous Value This Action Current Value | \$7,384, 54, \$7,438, | | : - | \$4,372,1 - (\$4,372,1 | 194.20) - 194.20 | | - |
| | (Continued) | | | | | | |
| Except as provided herein, all terms and conditions | of the document reference | d in item 9A or 10A, as h | eretof | ore changed, r | emains unchang | jed and in full f | lorce |
| and effect 15A NAME AND TITLE OF SIGNER (Type or pri | | ILGA NAME AND TIT | LEO | CONTRACT | ING OFFICER | (Type or print |) |
| Parri Engelsen | | PENNY S. | - At | indn ficer | | | |
| 2 | 1.22 5 5 5 5 5 5 5 | Contracting | 5 OF | AMERICA // | | 16C DATE S | IGNED |
| Contracts Manager 156 CONTRACTOR/OFFEROR | j | | / / | ري ارتيب | | 1/610 | , |
| (Signature of person authorized to sign) | 12/28/00 | BY (Signatu) | 7 01 C | Contracting Off | ncer) | 1/8/01 | <i>r</i> |
| location to be to the total total to the total | | | | | | | |

Modification 0019 Page 2C

| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
|------|--|---|--|----------------|----------|
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | \$100,000.00 \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0016 | <u> </u> | N/A | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0017 | S-16 | 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RMAJ34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |
| 0018 | S-17 | BM1J89RA 1WG9500 2513 | <u>\$94,000.00</u> \$94,000.00 | \$4,372,194.20 | 12/11/00 |
| 0019 | | N/A | - 0 - | \$4,372,194.20 | 12/08/00 |

50-QANW-0-00402 Modification No. 0019 Page 3

- 2. This modification provides for incorporation of: (1) for training as detailed in Revision 2; items lined through being deleted from the training plan and the associated cost removed; and (2) for conferences as detailed in Revision 1. (Note: The travel costs for training and conferences is to come from the current travel budget.) Modified plans are attached.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED CONTRACT</u>, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| Period | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,438,287 | \$334,762 |
| 07/01/01-06/30/02 | \$6,793,307 | \$307,185 |
| 07/01/02-06/30/03 | \$6,691,560 | \$302,302 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

Total Contract Value \$7,438,287

| Total Sum Allotted | \$4,372,194.20 |
|---|-------------------------|
| | |
| | \$ 334,762.00 |
| Potential Award Fee Estimated Period of Performance | 07/01/2000 - 02/02/2001 |

| AMENDMENT OF SOLICITATION/MODIFICATION OF AMENDMENT/MODIFICATION NO. AMENDMENT/MODIFICATION NO. O020 01/11/01 S. ISSUED BY CODE QA U.S. Department of Commerce National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 B. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Z Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | A. REQUISITION/PURCHASE REQ. NO. 15 PROJECT NO 1. NWWG9500110349; S-18 N/A NWWG9500110349; S-18 N/A NWWG9500110349; S-18 N/A CODE TP Code) Al Corp. 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
|--|--|----------------------|
| ODE OA O1/11/01 OUS. Department of Commerce National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Z Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 | A. REQUISITION/PURCHASE REQ. NO. 15 PROJECT NO 1. NWWG9500110349; S-18 N/A NWWG9500110349; S-18 N/A NWWG9500110349; S-18 N/A CODE TP Code) Al Corp. 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
| O020 01/11/01 O08 OA U.S. Department of Commerce National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (Na., street, county, State and Z Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 | (V) SA. AMENDMENT OF SOLICITA 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | FION NO. |
| U.S. Department of Commerce National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (Na., street, county, State and Z Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 | (V) SA. AMENDMENT OF SOLICITA 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | FION NO. |
| U.S. Department of Commerce National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (Na., street, county, State and Z. Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | FION NO. |
| National Data Buoy Center Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Z. Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | TION NO. |
| Stennis Space Center, MS 39529-6000 Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Z. Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | TION NO. |
| Attn: Penny S. Parker (228) 688-1705 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Z. Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 CODE FACILITY CODE | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | TION NO. |
| Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | TION NO. |
| Science Applications Internations Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
| Attn: Ms. Parri Engelsen One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 98. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
| One Hampton Parkway, Suite 300 Hampton, VA 23666 (757) 827-4842 CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 10A. MODIFICATION OF CONTINO. X 50-QANW-0-00402 10B. DATED (SEB ITEM 13) | |
| Hampton, VA 23666 (757) 827-4842 CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
| (757) 827-4842 CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | X 50-QANW-0-00402 10B. DATED (SEE ITEM 13) | |
| CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 10B. DATED (SEE ITEM 13) | RACT/ORDER |
| CODE FACILITY CODE 11. THIS ITEM ONLY APPLIES TO A | 10B. DATED (SEE ITEM 13) | |
| 11. THIS ITEM ONLY APPLIES TO A | | |
| 11. THIS ITEM ONLY APPLIES TO A | | |
| 11. THIS ITEM ONLY APPLIES TO A | May 18, 2000 | |
| The above numbered solicitation is amended as set forth in Item 14. The ho | AMENDMENTS OF SOLICITATIONS | |
| T U6 SDOAG HOUSE ACT SOLICITATION IS CONSTITUTED TO SOLICITATION IN CONTRACT TO SOLICI | our and date specified for receipt of Offers is extended, | is not ex- |
| | | methods' |
| ended. Offers must acknowledge receipt of this amendment prior to the hour and date s | pecified in the solicitation or as amended, by one of the rollowing | ov of the offer |
| Land the second state of the amenda | ent. (b) By acknowledging receipt of this and LIBE OF YOUR AC | KNOWLEDG- |
| MENT TO BE DECEIVED AT THE PLACE DESIGNATED FOR THE TIETE. | TOO IN THE PROPERTY OF THE PRO | ny rejeoram or |
| MENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPMENT TO BE RECEIPME | e to change an offer already submitted, such change they are already submitted, such changes they are already submitted. | specified. |
| etter, provided each telegram of letter makes rosted (If required) | | |
| See Accounting/Appropriations Schedul | e: Page 2C NET INCREASE: \$532,0 | 00.00 |
| 10 THE ITEM APPLIES ONLY TO MOD | FICATIONS OF CONTRACTS/UNDERS, | |
| IT MODIFIES THE CONTRACT/ORD | ER NO. AS DESCRIBED IN ITEM 14. | UE CON |
| IT MODIFIES THE CONTRACT/ORD IT MOD | (ty) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN I | HE COM- |
| | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO R appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO TI | EFLECT THE ADMINISTRATIVE CHANGES (such as changes if ALLTHORITY OF FAR 43.103(b). | i paying office |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUAL | NT TO AUTHORITY OF: | |
| 111111111111111111111111111111111111111 | tions of contract: by mutual agr | eement. |
| D. OTHER (Specify type of modification and authority) | | |
| X FAR 52.232-22 - "Limitation of Fund | s." | |
| | | |
| E. IMPORTANT: Contractor is not, X is required to sign th | is document and return 3 copies to the issuing of | TICE. |
| - THE PROPERTY OF AMENOMENT MODIFICATION (Organized by UCF) | CHOM HEALTHES, Including soliding | re reastous.) |
| 1 ACCOUNTING AND APPROPRIATIONS SCHE | DULE of the subject contract is | |
| hereby revised by addition to page | 2C, attached: | |
| | | |
| Contract | Value Total Sum Allocted | |
| ## 400 f | \$4,372,194.20 | |
| Previous Value \$7,438,2 | | |
| This Action - 0 Current Value \$7,438,2 | 532,000.00 \$4,904,194.20 | |
| Current Value \$7,438,2 | να, σου, του, του | |
| (Continued | | |
| · | | |
| | i in item 9A or 10A, as heretofore changed, remains unchanged an | d in full force |
| Success as accorded herein, all terms and conditions of the document references | | |
| Except as provided herein, all terms and conditions of the document referenced and effect. | 116A. NAME AND TITLE OF CONTRACTING OFFICER (TYP | or print) |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Typ | e or print) |
| Parri Y. Engelsen | 16A. NAME AND TITLE OF CONTRACTING OFFICER (199 | ficer |
| Parri Y. Engelsen Contracts Manager | Penny S. Parker Contracting Of | ficer DATE SIGNE |
| Parri Y. Engelsen Contracts Manager 158. CONTRACTOR/OFFEROR CONTRACTOR/OFFEROR 150. DATE SIGNE | Penny S. Parker Contracting Of | ficer DATE SIGNER |
| Parri Y. Engelsen Contracts Manager 158. CONTRACTOR/OFFEROR 1/22/01 | Penny S. Parker Contracting Of | ficer |
| Parri Y. Engelsen Contracts Manager 158. CONTRACTOR/OFFEROR (SignAture of person authorized to sign) 150. DATE SIGNE 1/22/01 | Penny S. Parker Contracting Of 166. United States of AMERICA 160 | Ficer DATE SIGNED |

Modification 0020 Page 2C

| | | | | | , |
|------|--------------|---|--|----------------|----------|
| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0016 | | N/A | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0017 | S-16 | 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RM1J34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |
| 0018 | S-17 | BM1J89RA 1WG9500 2513 | <u>\$94,000.00</u> \$94,000.00 | \$4,372,194.20 | 12/11/00 |
| 0019 | | N/A | - 0 - | \$4,372,194.20 | 12/08/00 |
| 0020 | S-18 S-19 | RM1J47RB 8M1J30A2 8M1J35UB RM1JRNRV 1WG9500 2513 | \$13,000.00 434,500.00 84,000.00 <u>500.00</u> \$532,000.00 | \$4,904,194.20 | 01/11/01 |

50-QANW-0-00402 Modification No. 0020 Page 3

This modification provides for incorporation of: 2.

(1) SAIC's revised Subcontracting Plan (Revision 1), signed

12/15/00;

(2) NDBC Instruction #702-09-02C, dated 12/14/00, - Performance Evaluation Plan for Evaluating NDBC Technical Services Contractor

(3) a correction of a typographical error on Modification #18, page 3, Section B.2(a) to read as follows "Estimated Cost (total) \$7,316,118";

(4) a correction of a typographical error on Modification #19, page 1, Previous Value to read" \$7,384,118";

(5) change the following credit on Mod. #16, Page 2C from $RM\underline{A}J34RM$ FY2000 (\$21,000.00) to RM1J34RM FY2000 (\$21,000.00); and

(6) incrementally fund the contract by \$532,000.00.

- SECTION B.3 ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED 3. CONTRACT, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - Estimated cost, base fee, and potential award fee by (1) contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,438,287 | \$334,762 |
| 07/01/01-06/30/02 | \$6,793,307 | \$307,185 |
| 07/01/02-06/30/03 | \$6,691,560 | \$302,302 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

Total contract value is computed as follows: (2)

\$7,438,287 Total Contract Value

| Total Sum Allotted | \$4,904,194.20 |
|---|--|
| Potential Award Fee Estimated Period of Performance | \$ 334,762.00 07/01/2000 - 02/23/2001 |

50-QANW-0-00402 Modification No. 0020 Page 4

SECTION J.1 LIST OF ATTACHMENTS-STATEMENT OF WORK/SPECIFICATIONS 4. THAT ARE HEREBY MADE A PART OF THIS SOLICITATION AND ANY RESULTANT CONTRACT

Exhibit A - Statement of Work

Exhibit B - Wage Board Determination (WBD) 94-2302, Rev. 9, Dated 7/29/99

Exhibit C - Performance Evaluation Plan for Evaluating the National Data Buoy Center Technical

Services Contractor (NTSC), dated 12/14/00 Exhibit D - Contractor's Small, Small Disadvantaged and Women-Owned Business Subcontracting Plan, signed 12/15/00.



Small/Small Disadvantaged/Women-Owned/HUBZone/HBCU/MI Subcontracting Plan (Revision 1)

Small Business Subcontracting Plan (Revision 1) redacted in its entirety.

Exemption 4

| AMENDMENT OF SOLICITATION/M | ODIFICATION C | F CONTRACT | R (CPAF) | .002 | 1 3 |
|--|---|--|---|-----------------|------------------------|
| 2. AMENDMENT/MODIFICATION NO. 3. E | FFECTIVE DATE | 4. REQUISITION/PURC | | 5 PROJECT | NO (If applicable) |
| | 1/29/01 | NWWG950011040 | | N/A | |
| | OA | 7. ADMINISTERED BY | (1) other than Item o | ' code l | |
| U.S. Department of Commerce | | | | | |
| National Data Buoy Center Stennis Space Center, MS 3 | 9529-6000 | | | | |
| Stennis Space Center, Mb 5 | 7527 0000 | II | | | |
| Attn: Penny S. Parker (228) 8. NAME AND ADDRESS OF CONTRACTOR (No., etre | 688-1705 | 10 G-7-1 | ··· IOO AMENDM | ENT OF SOL | ICITATION NO. |
| | | • | (/) PA. AMENDM | 2111 01 302 | 1011 A 11011 NO. |
| Science Applications | Internation | al Corp. | | | |
| Attn: Ms. Parri Enge One Hampton Parkway, | rsen Suite 300 | | 9B. DATED (S | EE ITEM 11) | |
| Hampton, VA 23666 | | | | | |
| | | | NO. | ATION OF C | ONTRACT/ORDER |
| (757) 827-4842 | | | X 50-OAN | W-0-004 | .02 |
| | | | 108. DATED (| | |
| CODE FAC | CILITY CODE | | May 18 | , 2000 | |
| 11 THIS ITEM O | NLY APPLIES TO A | MENDMENTS OF SC | LICITATIONS | | |
| The above numbered solicitation is amended as set f | orth in Item 14. The ho | our and date specified for | receipt of Offers | is extended | d, is not ex- |
| tended | | | | ana aé bha fall | ovvena mathade: |
| Offers must acknowledge receipt of this amendment prior | to the hour and date s | pecified in the solicitation | or as amended, by one receipt of this ame | andment on ea | sch copy of the offer |
| (a) By completing Items 8 and 15, and returning submitted, or (c) By separate letter or telegram which in MENT TO BE RECEIVED AT THE PLACE DESIGNATION. | copies of the amenda | ne solicitation and amend | ment numbers FAIL | URE OF YOU | JR ACKNOWLEDG- |
| | | | | | |
| IN REJECTION OF YOUR OFFER IT by Virtue of this letter, provided each telegram or letter makes reference to 12. ACCOUNTING AND APPROPRIATION DATA (If re | the solicitation and th | is amendment, and is rece | ived prior to the ope | ning nour and | - data specified |
| See Accounting/Appropriati | | e: Page 2C | NET INCREA | SE: \$27 | 5,000.00 |
| 13. THIS ITEM APPLI | S ONLY TO MODE | | | | |
| 17 MODIFIES THE | CONTRACT/OPD | ED NO AC DECCDIDE | ED IN ITEM 1/ | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUAN TRACT ORDER NO. IN ITEM 10A. | TTO: (Specify author | b) THE CHANGES SET | FORTH IN ITEM 1 | ARE MADE | IN THE CON- |
| | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/ORDE appropriation date, etc.) SET FORTH IN ITEM | R IS MODIFIED TO RI 14, PURSUANT TO TH | EFLECT THE ADMINIST IE AUTHORITY OF FAR | RATIVE CHANGES (43.103(b). | i (such as char | iges in paying office, |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTE | RED INTO PURSUAN | IT TO AUTHORITY OF: | | | |
| | | | | | |
| D. OTHER (Specify type of modification and authors X FAR 52.232-22 - "Limitati | ority) One of Fund | c 11 | | | |
| X FAR 52.232-22 - "Limitati | Olls OI Fulld | | | | |
| E. IMPORTANT: Contractor XX is not, | s required to sign the | s document and return | | to the issui | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION | (Organized by UCF se | ction headings, including s | olicitation/contract | subject matter | where feasible.) |
| 1. ACCOUNTING AND APPROPRI | ATIONS SCHE | OULE of the s | ubject con | tract 1 | .S |
| hereby revised by addit | ion to page | zc , accacine | u. | | |
| | Contract | Value | Total Sum | Allott | <u>eđ</u> |
| | | - | | | |
| Previous Value | \$7,438,2 | | \$4,904,19 | | |
| This Action | - 0 \$7,438,2 | <u>-</u> | 276,00 \$5,180,19 | 0.00 | |
| Current Value | \$/,438,2 | 8 / | \$5,160,15 | 4.20 | |
| | | | | | |
| • | | | | | |
| Except as provided herein, all terms and conditions of the and effect. | document referenced | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE | OF CONTRACTIN | G OFFICER | Type or print) |
| | | D | ala a sa a di sa di | | 0661-00- |
| 15B. CONTRACTOR/OFFEROR | 115C, DATE SIGNED | Penny S. Par | rker, Contr FAMERICA | acting | 16C. DATE SIGNED |
| 200, CONTINUE ON ON CONTINUE | | l Original S | igned by | ' | 01/29/01 |
| (Signature of person authorized to sign) | | | of Contracting Office | ידי) | |
| | | | ĊT. | ANDARDEO | RM 30 (REV. 10-83) |

| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
|------|--------------|---|--|----------------|----------|
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0016 | | N/A | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0017 | S-16 | 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RM1J34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |
| 0018 | S-17 | BM1J89RA 1WG9500 2513 | \$94,000.00 \$94,000.00 | \$4,372,194.20 | 12/11/00 |
| 0019 | | N/A | - 0 - | \$4,372,194.20 | 12/08/00 |
| 0020 | S-18 S-19 | RM1J47RB 8M1J30A2 8M1J35UB RM1JRNRV 1WG9500 2513 | \$13,000.00 434,500.00 84,000.00 <u>500.00</u> \$532,000.00 | \$4,904,194.20 | 01/11/01 |
| 0021 | S-20 | BM1J89RA 1WG9500 2513 | <u>\$276,000.00</u> \$276,000.00 | \$5,180,194.20 | 01/29/01 |

50-QANW-0-00402 Modification No. 0021 Page 3

- 2. This modification provides for incorporation of incremental funding of the contract by \$276,000.00.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED CONTRACT</u>, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,438,287 | \$334,762 |
| 07/01/01-06/30/02 | \$6,793,307 | \$307,185 |
| 07/01/02-06/30/03 | \$6,691,560 | \$302,302 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

Total Contract Value \$7,438,287

| Total Sum Allotted | \$5,180,194.20 |
|---------------------------------|-------------------------|
| | |
| | |
| Potential Award Fee | \$ 334,762.00 |
| Estimated Period of Performance | 07/01/2000 - 02/23/2001 |

| AMENDMENT OF SOLICITATION | /MODIFICATION O | FCONTRACT | 1. CONTRACT ID | CODE | PAGE OF PAGES |
|--|---|--|--------------------------|---|---|
| AMENDMENT OF SOLIST | 3. EFFECTIVE DATE 4 | iwwG950011045 | R (CPAF) HASE REQUIO. | 5. PROJECT | NO. (If applicable) |
| 0.022 | ln2/06/01 N | 1WWC950011043 | 33: S-22 | N/A | |
| S. ISSUED BY CODE | QA 7 | ADMINISTERED BY | (If other than Item | 6) CODE | L |
| U.S. Department of Commer National Data Buoy Center Stennis Space Center, MS | 39529-6000 | | | | |
| Attn: Penny S. Parker (2) | 28) 688-1705 street, county, State and ZI | P Code) | (y) 9A, AMEND | MENT OF SOL | ICITATION NO. |
| Science Application Attn: Ms. Parri En One Hampton Parkway Hampton, VA 23666 | gelsen | l Corp. | | SEE ITEM 11) | CONTRACT/ORDER |
| (757) 827-4842 | | | | NW-0-00 | |
| | CACULTY CODE | | | 8, 2000 | • |
| CODE | FACILITY CODE MONLY APPLIES TO A | MENDMENTS OF SO | | | |
| 11 THIS ITE The above numbered solicitation is amended as | | | | Is extende | ed, is not ex- |
| tended. | anian to the hour and date or | secufied in the solicitation | or as amended, by | one of the fol | lowing methods. |
| (a) By completing Items 8 and 15, and returning — submitted, or (c) By separate letter or telegram wh MENT TO BE RECEIVED AT THE PLACE DESIGN IN REJECTION OF YOUR OFFER If by virtue of letter, provided each telegram or letter makes reference. | copies of the amendmich includes a reference to the NATED FOR THE RECEIPT of this amendment you desire to the solicitation and this | e solicitation and amend OF OFFERS PRIOR TO | ment numbers FAI | LURE OF YO | UR ACKNOWLEDG- FIED MAY RESULT |
| 12. ACCOUNTING AND APPROPRIATION DATA | (If required) | | NET INCRE | | |
| See Accounting/Appropria | tions Schedule | | | | |
| | PLIES ONLY TO MODI THE CONTRACT/ORDE | | | | |
| THE PURE OF A PARTY OF | UANT TO: (Specify authori | ty) THE CHANGES SET | FORTH IN ITEM | 14 ARE MAD | EIN THE CON- |
| | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/O appropriation date, etc.) SET FORTH IN 11 | EM 14, PURSUANT TO TH | E AUTHORITY OF FA | Ř 43.103(b). | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS | ENTERED INTO PURSUAN | T TO AUTHORITY OF | | | |
| X Section B.2 - "Award In D. OTHER (Specify type of modification and | authority) | | | | |
| one on urimitations of Funds." | | | | | |
| E. IMPORTANT: Contractor XX is not, | | | n copi | ies to the issu | ing office. |
| 1. ACCOUNTING AND APPROLAPTION OF THE PROLAPTION OF AMENDMENT/MODIFICAL PROLAPTION OF THE PROLATION OF THE PROL | TION (Organized by UCF sec PRIATIONS SCHEI | oule of the s | subject co | ct subject matt | er where feasible.) |
| | Contract | Value | Total Su | m Allot | ted |
| Previous Value | \$7,438,2 | 87 | \$5,180, | 194.20 | |
| This Action | 68,0 \$7,506,2 | 00 | 17, \$5,197, | 157.00 | |
| Current Value | \$7,506,2 | 87 | \$5,197, | 351.20 | |
| Except as provided herein, all terms and conditions and effect. 15A. NAME AND TITLE OF SIGNER (Type or provided in the condition) | | 16A. NAME AND TITL | E OF CONTRACT | ING OFFICER | ged and in full force (Type or print) ing Officer |
| | LISC DATE SIGNED | 16B. UNITED STATES | OF AMERICA | | ISC DATE SIGNED |
| 15B. CONTRACTOR/OFFEROR | 35.57.45.51.42.5 | Origine | al Signed by | 7 | 02/12/01 |
| (Signature of person authorized to sign) | | (Signature | of Contracting Of | | ORM 30 (REV. 10-83) |
| NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE | 30 | -105 | 1 | STANDARD F Prescribed by G FAR (48 CFR) | isa |

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Modification 0022 Page 2C

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| | | | | | . i |
|------|--------------|---|--|----------------|----------|
| 0011 | S-13 | 8M1J30A9 8M1J30A2 8M1J35UB BM1JBPR3 0WM0000 2513 | \$180,950.79 122,500.00 35,579.87 <u>364.80</u> \$339,395.46 | \$3,642,194.20 | 09/28/00 |
| 0012 | | N/A | N/A | \$3,642,194.20 | 10/01/00 |
| 0013 | S-14 | RM1J47RB BM1J60RG RM1J1NRS 1WG9500 2513 | \$7,000.00 15,000.00 <u>8,000.00</u> \$30,000.00 | \$3,672,194.20 | 11/01/00 |
| 0014 | S-15 | BM1JBPR3 1WG9500 2513 | <u>\$100,000.00</u> \$100,000.00 | \$3,772,194.20 | 11/16/00 |
| 0015 | | N/A | - 0 - | \$3,772,194.20 | 11/28/00 |
| 0016 | | N/A | - 0 - | \$3,772,194.20 | 12/04/00 |
| 0017 | S-16 | 8M1J30A2 FY01 BM1JBPR3 FY01 RM1JRNRV FY01 AM1J02RC FY00 RM1J34RM FY00 1WG9500 2513 | \$500,000.00 32,000.00 2,000.00 (7,000.00) (21,000.00) \$506,000.00 | \$4,278,194.20 | 12/06/00 |
| 0018 | S-17 | BM1J89RA 1WG9500 2513 | <u>\$94,000.00</u> \$94,000.00 | \$4,372,194.20 | 12/11/00 |
| 0019 | | N/A | - 0 - | \$4,372,194.20 | 12/08/00 |
| 0020 | S-18 S-19 | RM1J47RB 8M1J30A2 8M1J35UB RM1JRNRV 1WG9500 2513 | \$13,000.00 434,500.00 84,000.00 500.00 \$532,000.00 | \$4,904,194.20 | 01/11/01 |
| 0021 | S-20 | BM1J89RA 1WG9500 2513 | <u>\$276,000.00</u> \$276,000.00 | \$5,180,194.20 | 01/29/01 |
| 0022 | S-21 S-22 | BM1J60RG RM1JRNRV 1WG9500 2513 | \$17,000.00 <u>157.00</u> \$17,157.00 | \$5,197,351.20 | 02/06/01 |

50-QANW-0-00402 Modification No. 0022 Page 3

word to the first of the second secon

- 2. This modification provides for incorporation of: (1) ; and (2) incremental funding of the contract by \$17,157.00.
- 3. SECTION B.2 <u>AWARD FEE</u> The amount of the award fee earned and the applicable periods are as follows:

| <u>Period</u> | Award Fee Period | Cumulative Award Fee |
|--|------------------|----------------------|
| 07/01/00-09/30/00 10/01/00-12/22/00 | | - |

- 4. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED CONTRACT</u>, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,506,287 | \$334,762 |
| 07/01/01-06/30/02 | \$6,793,307 | \$307,185 |
| 07/01/02-06/30/03 | \$6,691,560 | \$302,302 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

Total Contract Value \$7,506,287

| Total Sum Allotted | \$5,197,351.20 |
|---------------------------------|-------------------------|
| | |
| | |
| Potential Award Fee | \$ 334,762.00 |
| Estimated Period of Performance | 07/01/2000 - 03/09/2001 |

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| | | LOS CONTRACT | 1 COV | TRACT ID | CODE | PAGE OF F | 4 |
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| MENDMENT/MODIFICATION NO | 3. EFFECTIVE DATE | NWWG950011 | 592; | 5-23 5-24 | N/A | | |
| 0023 | 03/02/01 | 7 ADMINISTERED | BY (If othe | r than Item | 6) CODE | | |
| SUED BY CODE | | | | | | | |
| .s. Department of Comme | rce | | | | | | |
| retional Data BUON Cente | · L | | | | | | |
| tennis Space Center, MS | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | |
| ttnPenny S. Parker (228 |) 688-1705 | nd ZIP Code) | (√) 9 | A. AMEND | MENT OF SO | LICITATION | 40 |
| ttnPenny S. Parker (228) NAME AND ADDRESS OF CONTRACTOR (N | o., street, county, State of | onal Corp. | | | | | |
| Science Application | ns internati | Onar Corp. | | O O O TEO | (SEE ITEM 1. | () | |
| Attn: Ms. Parri B | Suite 300 | • | 1 1 | | | | |
| One Hampton Parket Hampton, VA 23666 | 5 | | \ - | IOA. MODIF | ICATION OF | CONTRACTO | PREE |
| Hampton, vii 200 | | | | NO | 0 00 | 402 | |
| (757) 827-4842 | | | X | 50-QA | NW-0-00 SEE ITEM | 131 | |
| , , | | | | 10B. DATEL Marz 1 | 8, 2000 |) | |
| 05 | FACILITY CODE | | VE 601 101 | | <u> </u> | | |
| DE 11 THIS IT | EM ONLY APPLIES | TO AMENDMENTS C | IF SULICI | TATIONS | | ded is | not ex- |
| 1 | as set forth in Item 14. T | The hour and date specifie | d for receip | t of Offers | is exten | dec., | |
| | | | | | | ollowing metho | ods. |
| The above numbered solicitation is amended fers must acknowledge receipt of this amendment by completing Items 8 and 15, and returning By completing Items 8 and 15, and returning the solicitation of the solicitation is amended. | ent prior to the hour and | date specified in the solic | viedging reci | eipt of this a | mendment or | each copy of t | the offer |
| | | S DOE posterior and a | menamenti | IUIIIDEI 3 1 A | | ~· ~ : ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | DECLII T |
| By completing items a and love or telegram bmitted, or (c) By separate letter or telegram ENT TO BE RECEIVED AT THE PLACE DES I REJECTION OF YOUR OFFER If by virtuing the property of the pro | IGNATED FOR THE RE | CEIPT OF OFFERS PRING desire to change an offer | already sub | mitted, such | change may | be made by tele and date specifi | egram or ied |
| bmitted, or IC) by separate ENT TO BE RECEIVED AT THE PLACE DES ENT TO BE RECEIVED AT THE PLACE DES REJECTION OF YOUR OFFER If by virtu tter, provided each telegram or letter makes refe tter, provided each telegram or letter makes refe | erence to the solicitation | and this amendment, and | is received (| orior to the t | opening noti | | |
| tter, provided each telegram of telegram | | | | | | coo 411 | 0.0 |
| | | | | r INCRI | EASE: \$ | 628,4 <u>11</u> | • • • |
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| See Accounting Appropriation of See Accounting Appropr | iations Sche | dule: Page 2 | D NET | CTS/ORD | ERS, | 020,411 | |
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Modification 0023 Page 2D

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| 0023 | S-24 | RM1J1NRS 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 <u>70,841.00</u> \$628,441.00 | 03/01/01 | |

50-QANW-0-00402 Modification No. 0023 Page 3

- 2. This modification provides for incorporation of: (1) the following change to Section H.3(a) Senior Management and Other Key Personnel:
 - and (2) incremental funding of the contract by \$628,441.00.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED</u> <u>CONTRACT</u>, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| Period | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,506,287 | \$334,762 |
| 07/01/01-06/30/02 | \$6,793,307 | \$307,185 |
| 07/01/02-06/30/03 | \$6,691,560 | \$302,302 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

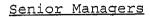
(2) Total contract value is computed as follows:

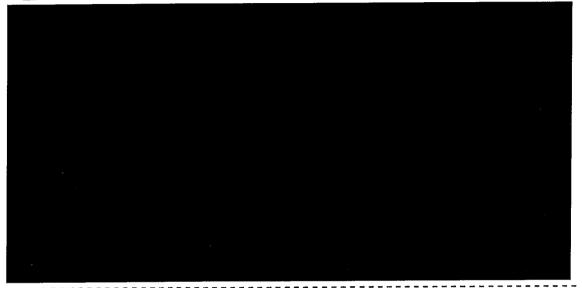
Total Contract Value \$7,506,287

| Total Sum Allotted | \$5,825,792.20 |
|---|--|
| | |
| Potential Award Fee Estimated Period of Performance | \$ 334,762.00 07/01/2000 - 04/13/2001 |

- 4. SECTION H.3 <u>SENIOR MANAGEMENT AND OTHER KEY PERSONNEL</u>, Paragraphs (a) is hereby revised as follows:
 - (a) The Contractor shall assign to this contract the following senior management and other key personnel:

50-QANW-0-00402 Modification No. 0023 Page 4





| | , | | 1. CONTRACT ID | CODE | PAGE | OF PAGES |
|---|--|---|--|-------------------|-------------------|----------------|
| AMENDMENT OF SOLICITATIO | N/MODIFICATION | OF CONTRACT | R (CPAF) | | 1 1 | 3 |
| 2. AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PUR | CHASE REQ. NO. | 5. PROJEC | T NO. (If | applicable) |
| 0 0 2 4 | 03/02/01 | N/A | V (Id - than than I torn | $\frac{1}{6}$ N/A | | |
| 6. ISSUED BY CODE | | 7. ADMINISTERED B | Y (1) Other than Item | CODE | | |
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| Stennis Space Center, MS | 39529-6000 | | | | | |
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| NAME AND ADDRESS OF CONTRACTOR IN |)., atreet, country | ZIP Code) | (V) 9A. AMENDA | ALINI O. O. | | |
| Science Applicatio | ns Internation | nal Corp. | | • | | |
| λ++n. Ms. Parri E | ngeisen | | 9B. DATED | SEE ITEM 1. | 1) | |
| One Hampton Parkwa | y, Suite 300 | | | | | ACT/ORDER |
| Hampton, VA 23666 | | | 10A. MODIFI | CATION OF | CONTR | ACI/ORDER |
| (757) 007 (4942 | | | x 50-QAI | 0 0 - 0 - WK | 402 | |
| (757) 827-4842 | | | 10B. DATED | (SEE ITEM | 13) | |
| | | | May 1 | 3, 2000 | | |
| CODE | FACILITY CODE EM ONLY APPLIES TO | AMENDMENTS OF | | | | |
| 11. 1415 118 | ENIONET AITEIESTE | determination for | or receipt of Offers | is extend | _{ded,} L | is not ex- |
| The above numbered solicitation is amended a | s set forth in Item 14. The | nour and date specified in | or receipt or or and | | | |
| tended. Offers must acknowledge receipt of this amendmen | nt prior to the hour and date | e specified in the solicitat | ion or as amended, by | one of the fo | one deer | nethous: |
| Offers must acknowledge receipt of this amendmen (a) By completing Items 8 and 15, and returning — submitted; or (c) By separate letter or telegram w | copies of the amend | iment; (b) By acknowled | lging receipt of this an | LURE OF Y | OUR AC | KNOWLEDG- |
| submitted: or (C) by separate letter of | NATED COR THE RECEI | PT OF OFFERS PRIOR | 10 THE HOUSE WILL | | o made h | w telegram or |
| submitted; or (c) By separate letter or telegram w MENT TO BE RECEIVED AT THE PLACE DESIGN IN REJECTION OF YOUR OFFER. If by virtue letter, provided each telegram or letter makes refer | of this amendment you des | sire to change an offer alro this amendment, and is re | eady submitted, such to eceived prior to the or | pening hour a | nd date s | pecified. |
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| Except as provided herein, all terms and condition | as of the document reference | ed in Item 9A or 10A, as | heretofore changed, re | mains uncha | nged and | In full force |
| Except as provided herein, all terms and condition and effect. | | 16A. NAME AND TI | TLE OF CONTRACT | NG OFFICE | R (Type | or print) |
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| Contracts Representative | | Contract | ing Officer | | 1,56.5 | ATE SIGNED |
| 15B. CONTRACTOR OFFERDR | , ISC. DATE SIGN | ED 168. UNITED STAT | ES OF AMERICA |) | 180.1 | 10/61 |
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Modification 0024 Page 2D

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| 0023 S-23 RM1J1NRS S-24 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 70,841.00 \$628,441.00 | \$5,825,792.20 | 03/01/01 |
| 0024 - N/A | | \$5,825,792.20 | 03/02/01 |

50-QANW-0-00402 Modification No. 0024 Page 3

2. This modification provides for incorporation of the National Data Buoy Center (NDBC) Statement of Work (SOW) for the Gulf of Mexico Buoy Communications System, dated 3 January 2001 - revised 29 March 2001 (attached), the corresponding document to the FAA requirements already placed under Modification No. 0018.

NATIONAL DATA BUOY CENTER

STATEMENT OF WORK

GULF OF MEXICO BUOY COMMUNICATIONS SYSTEM

3 JANUARY 2001

(revised 29 March 2001)

5.2

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1. INTRODUCTION.

1.1 Purpose.

This document specifies the responsibilities and work required to ensure the timely and successful accomplishment of the BCS initiative.

1.2 Scope.

1.2.1 Project Overview.

The BCS effort is described in the following paragraphs. The BCS Functional Specification defines system functional requirements. The production program consists of:

- (1) The acquisition, fabrication, installation, and testing of the BCS component parts as well as the deployment and sustainment of the BCS production systems in an operational configuration as described therein; and
 - (2) The deliverables as described in this Statement of Work (SOW).

1.2.2 Science Applications International Corporation (SAIC) Effort.

The work to be performed and the products and services to be provided under this SOW include Project Management; BCS System Design, Engineering, and Construction; Software; Hardware; Testing; Installation; Deployment; Refurbishment; Buoy Retrieval and Repair (Scheduled and Emergency); Logistics and Maintenance Support; Communications Services; Technical Support Services; and Configuration Management.

The BCS shall be designed so that it meets the requirements of the BCS Functional Specification. SAIC shall provide all necessary qualified personnel, services, facilities [except for FAA provided radios and other equipment], tools, and materials required for delivery and integration of a BCS. This includes all efforts associated with program management, system engineering, commercial-off-the-shelf (COTS) and NDBC designed hardware, limited custom software, COTS software, testing, site installation, reporting, equipment maintenance, training and system documentation in accordance with BCS Functional Specification, the SOW, and Data Item Descriptions (DID) listed with each item in the CDRL.

1.2.3 Deployment.

SAIC shall fully support the deployment of the buoys to include all transportation, equipment and technical expertise to transport, moor and setup the communication buoys as well as coordinating with Houston ARTCC personnel. The buoys shall be deployed at the following locations:

| | Longitude | <u>Latitude</u> 26 deg |
|----------------------|------------------|---------------------------|
| Buoy 1 (Operational) | 86 deg | - |
| Buoy 2 (Operational | 92 deg | 26 deg |
| | 89 deg | 26 deg |
| Buoy 3 (Hot Standby) | | |
| Buoy 4 (Spare) | Dockside at NDBC | |

1.2.4 Schedule.

All required work activities, reviews, audits, documentation, hardware and software shall be performed/delivered according to the delivery dates defined for each item in the Interagency Agreement schedule. Electronic submission shall be used for indicated CDRLs using Microsoft applications such as MS Word, MS Excel, and MS Project. Electronic submission of other data items is encouraged and shall be coordinated with the NDBC Program Engineer. SAIC shall submit all documentation required by CDRLs at least 5 working days in advance of the CDRL requirements to ensure that the NDBC meets their CDRL requirements to the FAA.

2. APPLICABLE DOCUMENTS.

2.1 Document Listing.

The following is a listing of documents pertaining to Government standards, specifications, orders, criteria and guidelines referenced to the extent specified herein. Unless otherwise specified, the latest issue or revision level of each document at the time of solicitation issuance shall be applicable. In the event of conflict between any of the listed documents and the SOW, the SOW shall take precedence.

| <u>Document</u> | <u>Title</u> | SOW Citation (section, CDRL, DID) |
|---------------------------------------|---|--|
| FAA-E-2899A | Communications System for the Gulf of | 1.2.1 and throughout |
| DOT/FAA/CT-96/1 FAA Order 1800.58A | Mexico (9/14/00) FAA Human Factors Design Guide (1/15/96) NAS Integrated Logistics Support Policy (August 1993) | A013, FAA-HF-001 9 |
| FAA Order 1800.66 FAA-D-2494/b | Configuration Management Policy (11/29/99) Technical Instruction Book Manuscript | A006 9.5, L014-15, FAA-GOMP-38 |
| FAA-STD-021a | (3/14/84) Configuration Management Contractor | A006 |
| FAA-STD-028B | Requirements (3/6/90) Contract Training Programs (5/1/93) | 9.6, T001-6, 9-10, FAA-GOMP-4, 6-10,26-27 |
| MIL-DTL-31000A | Technical Data Packages (6/9/97) | 9.3.2.1, L001, FAA-GOMP-36, L005, FAA-GOMP-34 |
| MIL-HDBK-61 | Configuration Management Guidance (9/30/97) | A006 |
| MIL-HDBK-1467 | Acquisition of Software Environments and Support Software (12/10/97) | C001, DI-E-7141 |
| MIL-HDBK-46855A | Human Engineering Program Process and | A013, FAA-HF-001 |
| MIL-HDBK-470A | Designing and Developing Maintainable | L010, FAA-GOMP-40 |
| MIL-HDBK-502 MIL-HDBK-882D | Products and Systems (8/4/97) Acquisition Logistics (5/30/97) Standard Practice for System Safety (2/10/00) | H001, FAA-GOMP-32 A010 |

2.2 Documentation Sources.

Technical society and technical association specifications and standards are generally available for reference from libraries.

2.2.1 Source of FAA Documents.

Copies of FAA specifications, standards, and publications referenced may be obtained from the FAA Contracting Officer. Requests, submitted through the NDBC, must clearly identify the desired material by number and date, and state the intended use of the material.

2.2.2 Other Federal and Military Documents.

Copies of listed federal and military standards, specifications, and handbooks are available through the Department Of Defense (DOD) Single Stock Point, Commanding Officer, U.S. Naval Publications and Forms Center (Attn: NPFC 1032), 5801 Tabor Avenue, Philadelphia, PA 19120. Applications for copies of DOD Manuals should be addressed to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

3. PROJECT MANAGEMENT.

3.1 General.

This section describes the project management responsibilities that shall be required of SAIC. SAIC shall issue a Program Management Plan (PMP) [CDRL A006] as appropriate.

3.1.1 Scope.

SAIC shall manage and administer the work in such a manner as to complete all efforts prescribed by this SOW and the BCS Functional Specification. Technical management planning, contracts control, quality assurance, configuration management, buoy deployment, buoy retrieval (emergency and planned), scheduling and coordination activities shall be required. This includes internal management within SAIC's organization and management activities necessary for reporting progress, demonstrating results, and coordinating technical activities.

3.1.2 Subcontractors.

If subcontractors are used, SAIC shall ensure that all management, schedule control, reporting, configuration management, quality assurance, and review requirements are fulfilled for all subcontracted items. SAIC shall be responsible for the traceability of subcontractor data. The nonperformance of the subcontractor does not relieve SAIC from full responsibility to the NDBC for performance under the contract. Subcontractor agreements shall be established to minimize both the NDBC and the FAA exposure to costs incurred as a result of subcontractor failure to follow proper procedures or accepted industry standards in safeguarding government or contractor personnel and equipment.

3.2 Progress Reporting and Reviews.

The level of detail for all reports, minutes, agendas, and reviews shall be as specified in the corresponding DIDs.

3.2.1 Monthly Project Management Status Reports.

SAIC shall deliver Monthly Project Management Status Reports (PMSR) [CDRL A001].

3.2.1.1 Contract Funds Status Report.

SAIC shall deliver monthly Man-Hours usage as a part of the PMSR. Content is discussed in the PMSR DID, paragraph 10.9.2.1. These reports may be submitted separately if desired.

3.2.2 Major Technical Reviews.

SAIC shall prepare and present three major technical reviews: a Post Contract Award Review, a Preliminary Design Review, and a System Critical Design Review. These reviews shall be conducted at the NDBC facility. After the critical design review, SAIC shall obtain NDBC approval of the design approach before proceeding further. SAIC shall provide technical review agendas [CDRL A002] and Technical Design Review Data Packages [CDRL A014] for NDBC comment and approval. SAIC shall produce technical review minutes [CDRL A003] for review and approval by the NDBC. SAIC shall provide a review package of the materials to be presented twenty calendar days before the review meetings.

3.2.2.1 Post Contract Award Review.

SAIC shall conduct a Post Contract Award Review with the NDBC and the FAA to confirm a common understanding of the technical requirements. The review shall also include a presentation on the SAIC PMP and the SAIC approach to this SOW including staffing, organization, schedule, cost control and other PMP functional topics.

3.2.2.2 Preliminary Design Review

SAIC shall conduct a Preliminary Design Review to present the end-to-end BCS architecture including the preliminary equipment selection, design and integration, test, installation, and logistics support information for each of the four major components of the BCS: buoy, ARTCC Houston, NDBC Test and Maintenace Facility and communications services. The review shall include appropriate cost and schedule information.

3.2.2.3 System Critical Design Review

SAIC shall conduct a Critical Design Review to present the final end-to-end BCS architecture including firm equipment selection, design and integration, test, installation, and logistics support information for each of the four major components of the BCS: buoy, ARTCC Houston, NDBC Test and Maintenace Facility and communications services. The review shall include appropriate cost and schedule information.

3.2.3 Program Reviews

SAIC shall conduct program reviews as needed, at the request of the NDBC, to review potential design changes, critical performance issues, or COTS product performance issues. SAIC shall provide technical review agendas for the NDBC comment and approval. SAIC shall produce technical review minutes for review and approval by the NDBC.

3.3 Scheduling and Coordination.

SAIC shall maintain, and control a detailed program master schedule. The schedule shall be of sufficient detail to permit tracking of progress by identifying and reporting work effort in discrete functional areas. The schedule shall be reviewed at each technical review. The schedule shall identify progress, such as the procurement of BCS subsystems, software work progress, completion of integration tests, documentation preparation and other indicators that clearly represent work successfully performed and program progress. A current master schedule, along with initial

schedule baseline from the beginning of the project and schedule slips, shall be included in the PMSR.

3.4 Configuration Management.

SAIC shall establish, implement, and maintain a configuration management program for the BCS. The program shall ensure that each Hardware Configuration Item, each Computer Software Configuration Item, and all documentation produced under this contract are under continuous configuration control to provide capability and resource accounting. SAIC shall prepare and submit a Configuration Management Plan. The plan is a part of the Program Management Plan [CDRL A006] but may be issued as a separate plan if desired. The CM plan shall describe procedures for baseline establishment and maintenance; system engineering and interface control; configuration identification; engineering release requirements; engineering change criteria and change control procedures; specification and interface control documentation maintenance, configuration audits, design reviews and verification records; and, records, reports and status accounting data. SAIC shall prepare and submit Configuration Status Accounting Reports [CDRL A005].

3.4.1 Functional Configuration Audit/Physical Configuration Audit (FCA/PCA).

Upon completion of the NDBC Production Site Test (PST), SAIC shall support an FCA and a PCA. SAIC shall provide FCA and PCA agendas [CDRL A002] in advance of the audits. FCA and PCA audits shall include all equipment and documentation. The PCA shall include an examination of the "as-built" configuration against its technical documentation. SAIC shall also include a review of the Engineering Data Package (EDP) [CDRL L001]. The BCS product baseline is established upon successful completion of the PCA. SAIC shall provide the minutes [CDRL A003] for both the FCA and PCA.

3.4.2 System Problem Reports.

After establishment of the BCS product baseline and continuing until FAA acceptance of the final production system, SAIC shall record all system discrepancies and recommended corrective actions in the form of System Problem Reports (SPR) [CDRL A008]. A system discrepancy shall exist when the system, or any system sub-component, does not meet the requirement established in the BCS Functional Specification. The FAA may also issue an SPR.

3.4.3 Request for Deviation/Waiver.

At any time during the design, integration, production, or testing of the BCS, if SAIC discovers that an established requirement cannot be met or the meeting of such a requirement conflicts with other established requirements or project goals (such as cost considerations), SAIC shall submit a request for deviation or waiver [CDRL B001] which details both the relief sought and the justification for such action for the NDBC's submittal to the FAA. The FAA will evaluate the request on a case-bycase basis.

3.5 Quality Assurance Program.

SAIC shall maintain an effective quality assurance program. This program shall be documented in the Quality System Description and shall identify the procedures and controls to be utilized by SAIC and subcontractors to substantiate product quality and fulfillment of program requirements during all phases of the contract. The quality system requirements specifically set forth in this SOW shall become a part of SAIC overall quality assurance program. The plan description is a part of the Program Management Plan [CDRL A006] but may be issued as a separate plan if desired

3.6 System Security Plan

SAIC shall implement appropriate processes and procedures to insure physical, data, and personnel security during the BCS construction, testing, deployment, and operation activities. The FAA is separately performing a security assessment based on FAA internal requirements. The NDBC will modify this SOW as required based on the results of that assessment.

3.7 Risk Management Plan

Risk management shall be addressed in the PMP. The plan shall address the in-place and planned activities to establish, monitor, and report actual progress for risk areas relative to the BCS implementation and operation.

3.8 System Safety Plan

SAIC shall develop a System Safety Plan [CDRL A010]. The plan shall identify potential life cycle safety hazards present in the major BCS components and the mitigation of each, including hazardous waste material disposal.

3.9 Human Factors Plan

SAIC shall establish, maintain, and operate according to a Human Factors Plan [CDRL A013].

3.10 Environmental, Resource Conservation, and Energy Requirements

SAIC recognizes that many Federal, State, and local statutes imposing environmental, resource conservation, and energy requirements may apply to the BCS. SAIC also recognizes that the Environmental Protection Agency, the FAA, and other agencies of the Federal Government have issued and are expected in the future to issue requirements in the form of regulations, guidelines, standards, orders, or other directives that may affect the BCS. Accordingly, SAIC shall adhere to, and impose on its subcontractors, any such Federal requirements, as the Government may now or in the future promulgate, provided, however, that the NDBC provides such additional funding, or reduces or modifies SAIC's obligations hereunder to account for SAIC's compliance with such new requirements, so that SAIC's rights are not adversely affected.

4. SYSTEMS DESIGN, ENGINEERING AND INTEGRATION.

4.1 Systems Engineering and Design Activities.

SAIC shall be responsible for the performance of an overall system engineering effort encompassing the BCS design, integration, delivery, and test. Activities shall include:

Evaluating system overall performance of the initial design;

Selecting components to achieve specified performance;

Conducting tradeoff analyses with cost and performance;

Selecting a design that optimizes performance and system life cycle cost; and,

Identifying problems that impact system performance.

4.2 System Integration.

SAIC shall integrate all hardware and software components into a functionally complete system during the design effort to ensure that all incompatibilities are identified and corrected prior to the start of testing.

4.3 System Design Documentation.

SAIC shall provide documentation that addresses all aspects of system design and implementation.

4.3.1 System/Subsystem Description Document.

SAIC shall provide a System/Subsystem Description Document [CDRL B002] that presents a clear and comprehensive description of what the system does and how it is accomplished. This document shall provide the end-to-end BCS architecture including the details of the major system components by functional module (radio, communication links, buoy, etc.)

5. SOFTWARE.

5.1 COTS Software.

SAIC shall be responsible for providing all executable software and software licenses for the COTS software used under this contract. The most recent version of COTS software applications and operating systems shall be established as the software version baseline at the beginning of the BCS integration effort. When considering commercially offered software packages for the BCS, SAIC shall investigate and assess the following: application compatibility, performance compatibility, configuration management; and vendor service, reputation and stability.

5.1.1 COTS Software Documentation.

SAIC shall provide a COTS Software Documentation Package [CDRL C001] that includes the licenses, warranties and all COTS software manuals for each COTS package used in the BCS design.

5.2 Custom Software.

SAIC shall develop a software product that minimizes the use of custom software and the level of effort necessary for the custom software program to interface with the COTS software component. Custom software shall be used only where the functionality specified in BCS Functional Specification cannot be achieved through the use of COTS software. SAIC shall provide the Custom Program Source Code [CDRL C002] and Commented Program Listing [CDRL C003].

6. HARDWARE.

SAIC shall design, integrate, test, deliver, and install BCS equipment in the quantities required by the NDBC. In addition, SAIC shall provide spares in accordance with the FAA approved Integrated Support Plan (ISP) [CDRL H001].

7. TESTING.

SAIC shall establish a test and evaluation program to verify that the BCS meets the requirements of the BCS Functional Specification. SAIC shall furnish all equipment, personnel and communications services necessary to accomplish the tests, and shall maintain a functioning testbed at the NDBC Test and Maintenance Facility for the duration of the Interagency Agreement. Facilities for testing at the Houston ARTCC will be provided by the FAA. SAIC shall assign a Test

Manager as the single point of contact for testing. The Test Manager shall be responsible for the integration, control, and coordination of all SAIC and subcontractor testing.

7.1 Test Documentation.

The following paragraphs define the documentation required for the test and evaluation program.

7.1.1 Contractor's Master Test Plan (CMTP).

SAIC shall develop a CMTP [CDRL E001] that shall serve as the overall test control document for the contractor's BCS test program. The plan shall state the objective of each test that SAIC will conduct to verify BCS requirements and describe the approach to be used in the conduct of each test. The CMTP shall include the plans for conducting production acceptance and production site testing. The CMTP shall address how any regression testing shall be accomplished. A Verification Requirements Traceability Matrix (VRTM), reflecting each specification requirement and method of verification, shall be included in the CMTP.

7.1.2 Test Procedures.

SAIC shall provide Test Procedures [CDRL E002] for all tests specified in the CMTP.

7.1.3 Test Reports.

SAIC shall provide a Test Report [CDRL E003] for each production test phase. A copy of all SPRs shall be included as an appendix in each test report.

7.2 Test Conduct.

No testing shall commence until the FAA approves the CMTP, VRTM and test procedures. SAIC shall conduct Production Acceptance Testing and Production Site Testing on the first BCS. SAIC shall conduct an FAA-directed subset of Production Acceptance Testing and full Production Site Testing on all other systems. All testing shall be conducted in accordance with the CMTP and Test Procedures. SAIC shall maintain an official test log containing test identification, description of unit-under-test, copies of the calibration certificates for all test equipment, date and time of test, procedures, test report(s), and retest report(s). Any deviations or exceptions to the approved test procedures shall be noted in the log and shall be tracked with SPRs. The official test log shall be made available upon FAA request.

7.2.1 FAA Test Support.

The FAA will provide a VHF test frequency for the duration of tests at the NDBC and offshore. The FAA will also provide SAIC access to the VSCS Maintenance Position Equipment Subsystem for verification of the VSCS/BCS interface. The FAA will provide test support personnel, including witnesses and local equipment technicians.

7.2.2 Production Testing.

SAIC shall perform production tests on all systems to verify that BCS Functional Specification requirements are achieved. All production testing shall be witnessed, and verified, by an FAA representative.

Production Acceptance Testing. 7.2.2.1

SAIC shall conduct Production Acceptance Testing on the first production BCS and an FAAdirected subset of Production Acceptance Testing shall be conducted on all other BCS equipment that is ordered. In addition to verifying functional specification requirements, this test shall also

include a demonstration by SAIC of the capability of the system to meet performance and availability requirements for end-to-end communications when installed in an operational configuration. This test shall be conducted with the buoy dockside at the NDBC and the ARTCC equipment installed at the Houston ARTCC.

7.2.2.2 Multiple Buoy System Integration Testing.

As each additional buoy becomes available, SAIC shall conduct a multiple buoy test to verify that the system is capable of meeting the functional specification requirements with multiple buoys in operation. Tests shall include an FAA-directed subset of those conducted during Production Acceptance Testing for a single buoy, and will require the development of new test procedures to demonstrate the integration of the final quantity of buoys into a functional system. The buoy locations for these tests will be determined by the FAA.

7.2.2.3 Production Site Testing.

SAIC shall conduct Production Site Testing for each deployed buoy to verify that the system is functional within the satellite footprint at the operational location. SAIC shall provide for movement and mooring of each buoy to the location in the Gulf of Mexico specified by the FAA (approximately 300 miles offshore). SAIC shall conduct the Production Site Testing with the buoy at this location and with the suite of ARTCC equipment at the Houston ARTCC. Tests shall include an FAA-directed subset of those conducted during Production Acceptance Testing; the use of test aircraft or targets of opportunity; and Air Traffic and Airway Facilities personnel at the Houston ARTCC.

7.2.3 NDBC Support of FAA Operational Test (OT) and Field Familiarization Testing

SAIC shall support FAA Operational Test and Field Familiarization Testing at the Houston ARTCC for the first production buoy. Operational tests are designed to demonstrate that a new system is operationally effective and operationally suitable for use in the NAS and that all technical and performance requirements specified have been met. Field Familiarization Tests are performed by site personnel to verify that site personnel can operate and maintain the new system in an operational environment without degrading air safety.

8. INSTALLATION.

8.1 Site Installation Plan.

SAIC shall develop a Site Installation Plan (SIP) [CDRL D001]. Installation shall not commence until the plan has been approved by the NDBC/FAA. The SIP shall address all aspects of equipment installation at the NDBC and installation of equipment at the Houston ARTCC. The SAIC shall deliver, install, and integrate all hardware and software of the BCS in accordance with the SIP. SAIC shall develop and deliver As-Built Site Installation Drawings [CDRL D002] for each site, including the NDBC Test and Maintenance Facility. In addition, the SIP shall include marine charts depicting the buoy locations in the Gulf of Mexico.

9. LOGISTICS AND MAINTENANCE SUPPORT

SAIC shall plan, manage and execute a National Airspace Integrated Logistics Support (NAILS) program in accordance with the requirements contained within this SOW and the NAILS process as defined in FAA Order 1800.58A. The objective of the NAILS program is to execute and integrate support tasks with the manufacturing, testing, installation and operation of the BCS. The BCS

equipment consists of the BCS interface/monitoring equipment installed at the Houston ARTCC, the Test and Maintenance Facility (trailers at NDBC), the deployed buoys, and a dockside ("spare") buoy and supporting communications services.

9.1 NAILS Integrated Support Planning

SAIC shall prepare and submit, for approval, an ISP [CDRL H001] which describes SAIC's approach for the logistics support of the BCS.

9.1.1 NAILS Management

SAIC shall assign a NAILS manager that shall serve as the focal point for interface with the NDBC on all NAILS related requirements. SAIC shall perform the following NAILS tasks as described in the below paragraphs.

9.1.1.1 Technical Assistance

SAIC shall provide developmental services to the NDBC on NAILS requirements for the BCS such as logistics planning, spares provisioning, training development, packaging and transportation, test equipment, and warranties.

9.1.2 NAILS Management Team (NAILSMT)

A joint FAA/NDBC NAILSMT shall be established to serve as the primary management vehicle for monitoring the status of the NAILS program implementation. SAIC shall participate in and ensure the participation of appropriate subcontractor personnel in the meetings.

9.1.3 NAILS Meetings

SAIC shall support the following joint FAA/NDBC NAILSMT meetings. The FAA logistics manager shall chair these meetings.

Integrated Logistics Support (ILS) Guidance Conference (see para. 9.2.1) Provisioning Conference (see para. 9.3.2) NAILSMT In Process Review (IPR) Quarterly

9.2 Logistics Management Information (LMI)

SAIC shall provide provisioning data for the FAA Logistics Center LMI program [CDRL L003]. SAIC NAILS Manager shall provide the NDBC any additional information as requested by the FAA Logistics Center LMI manager.

9.2.1 ILS Guidance Conference

The FAA, for the purpose of providing the NDBC guidance on the FAA's logistics, maintenance, and training requirements, will chair an ILS Guidance Conference.

9.2.2 Support and Test Equipment Identification

SAIC shall identify and document all required support and test equipment for the BCS system [CDRL L004]. Support and test equipment includes common and special tools, test equipment, jigs, fixtures and material handling equipment. Support and test equipment shall be identified for site and NDBC depot maintenance.

9.3 Supply Support

9.3.1 Provisioning Technical Documentation

SAIC shall provide Provisioning Technical Documentation (PTD) pursuant to LMI requirements. SAIC shall identify and provide a list of the long lead time items (items exceeding 90 days from order to delivery) with the Provisioning Technical Documentation [CDRL L005] for the Provisioning Conference. SAIC shall prepare Engineering Change Orders (ECO) [CDRL L006] to document all changes to the PTD.

9.3.2 Provisioning Conference

After FAA approval of the delivered PTD, SAIC shall support a Provisioning Conference. Requirements for the conference will be set forth at the ILS Guidance Conference.

9.3.2.1 SAIC Provided Materials and Services

SAIC shall provide the following materials and services in support of the Provisioning Conference:

- a. One complete set of assembly and detail drawings from the Engineering Data Package [CDRL L001], which depicts each item that appears on the Provisioning Parts Lists. Drawings shall be in accordance with MIL-DTL-31000A, tailored to vendor standard drawing practices. Production Level drawings shall apply for developmental items. Commercial Level drawings shall apply for COTS.
- b. Samples of all equipment, assemblies, and replaceable parts on the parts lists for the duration of the Conference. Where the nature of the equipment precludes its movement to the site of the Provisioning Conference, SAIC shall make arrangements for the equipment to be viewed at its location.
- c. Meeting facilities to support up to 20 attendees with adequate support for the FAA provisioning team.

9.3.2.2 SAIC Personnel

SAIC shall furnish a representative(s) familiar with the provisioning documentation, assembly repair and replacement costs, and a qualified engineering representative. SAIC shall also furnish personnel to disassemble the equipment to the extent required by the FAA provisioning team and such tools as may be needed for disassembly. Disassembly of COTS will not go below the Line Replaceable Unit (LRU) level.

9.3.3 Spare Parts

Spare parts shall be ordered after the Provisioning Conference described above. The spare parts shall be listed in the provisioning parts list. In addition, storage environmental controls and location requirements for the spare parts shall be included in the provisioning parts list.

9.3.4 Life Cycle Contingency Support

SAIC shall manage the EDP such that when changes occur under the SAIC configuration management program, SAIC shall make corresponding changes to the data. If repair service and parts are not available from SAIC, SAIC shall furnish data to enable such repair service and parts to be obtained from other sources.

SAIC shall provide maintenance support as described in the following paragraphs.

9.4.1 Contractor Maintenance and Logistics Support (CMLS)

SAIC shall provide CMLS support for all BCS components. SAIC shall furnish all labor, material, spare parts, tools, test equipment, software, facilities, buoy deployment, emergency buoy retrieval, and other technical, travel and administrative support necessary for maintenance of BCS components. SAIC shall provide a listing or chart detailing the organizational maintenance department or office, including the name and title of the individuals who make up the maintenance department. SAIC will identify a point of contact to the NDBC. The FAA at the Houston ARTCC will monitor and provide first level maintenance (remove and replace) for the BCS equipment installed at Houston. Once removed, the faulty equipment will be sent to the NDBC for repair.

SAIC shall prepare a BCS Maintainability Plan [CDRL L010]. Maintenance performed under CMLS shall be performed on both a scheduled and unscheduled basis, as described in the following paragraphs. SAIC shall coordinate all maintenance visits to the buoy with the point of contact designated by the NDBC. SAIC shall develop within the plan a Buoy Failure Checklist for the Houston ARTCC personnel and a Recovery Procedures Checklist to be followed by the NDBC/FAA to coordinate the resolution of system failures. This shall include establishing points of contact at both Houston ARTCC and the NDBC that will oversee reestablishing buoy operational

9.4.1.1.1 Buoy Scheduled (Preventive) Maintenance

SAIC shall perform regularly scheduled maintenance on all BCS equipment including the moorings. This maintenance shall be performed in accordance with the Maintainability Plan. SAIC shall coordinate preventive maintenance activities with the designated NDBC point of contact at least 21 days in advance of the planned start of preventive maintenance activities.

9.4.1.1.2 Buoy Unscheduled (Corrective) Maintenance

When notified by the NDBC, SAIC shall provide corrective maintenance to restore BCS service, in accordance with the Maintainability Plan. Unscheduled maintenance shall occur when one of the three deployed buoys would be unable to provide a voice path between the Houston ARTCC and aircraft in the Houston FIR with the failure of a single LRU. Unscheduled maintainence shall include all activities performed as part of scheduled maintenance and shall replace the next scheduled maintenance.

SAIC shall provide depot repair support for all LRUs, in accordance with the Depot Repair 9.4.2 Depot Repair and Supply Support Procedures [CDRL L011]. This support shall include the acceptance of defective LRU items shipped to the NDBC by the FAA, Houston ARTCC.

When SAIC has determined that the cost of repairing a defective LRU represents 60% of the cost of a new, replacement LRU, the NDBC Program Engineer shall be notified and will provide guidance as to the action that SAIC is to take.

9.4.2.2 Maintenance and Repair Report

SAIC shall submit a quarterly Maintenance and Repair Report [CDRL L012].

SAIC shall provide a Refurbishment Planning Document [CDRL L013]. This document will outline an approach for periodically refurbishing the buoy to include the platform structure, the power system, and all elements of the communications system. The plan will provide an estimated time-line for retrieving the buoy and refurbishing the entire system. Additionally, an estimate of the cost for refurbishment will be included. The refurbishment plan will assume a "spare" buoy will replace the buoy being retrieved for refurbishment and will include an estimate for the cost of towing the spare buoy to the deployed location, mooring-crossover, and towing the "retrieved" buoy to depot. During replacement of a buoy, the moorings will be inspected and replaced as required.

SAIC shall provide COTS operation and maintenance instruction books for each COTS component. In addition to the COTS technical instruction books, SAIC shall develop and provide Technical Instruction Books for the operation and maintenance of the ARTCC BCS equipment [CDRL L014] and buoy equipment [CDRL L015] in accordance with the guidelines established by FAA-D-2494b. Technical Instruction Books prepared by SAIC shall include sections covering general information and requirements, system technical descriptions, operation, standards and tolerances, periodic maintenance, maintenance procedures, corrective maintenance, computer software, and troubleshooting support data. These books should also apply to the BCS equipment installed in the Test and Maintenance Facility (trailers at NDBC).

9.5.1 ARTCC BCS Equipment Technical Instruction Book

The Technical Instruction Book prepared for the equipment installed at the Houston ARTCC shall contain an overview of the BCS. It will describe BCS theory of operation on a sub-system basis, operating instructions for ARTCC BCS equipment, and technical procedures for the conduct of fault isolation and fault correction. The equipment maintenance sections of the Technical Instruction Book shall include recommended control settings and adjustments (including the internal LRU component settings and software settings for the channel banks to allow establishing signal levels), procedures for connecting test equipment and performing fault diagnostics, diagrams of interconnecting cabling, lists of tools and test equipment required to perform corrective maintenance, and recommended preventive maintenance schedules. The TIB shall identify all possible LRU error messages and identify the expected corrective action for each error message.

9.5.2 Buoy Equipment Technical Instruction Book

The Technical Instruction Book prepared for the buoy equipment shall describe the BCS theory of operation on a sub-system basis, operating instructions for buoy equipment, and technical procedures for the conduct of fault isolation and fault correction. The equipment maintenance sections of the Technical Instruction Book shall include recommended control settings and adjustments (including the internal LRU component settings and software settings for the channel banks to allow establishing signal levels), procedures for connecting test equipment and performing fault diagnostics, diagrams of interconnecting cabling, lists of tools and test equipment required to perform corrective maintenance, and recommended preventive maintenance schedules.

9.6 Training, Training Support, and Personnel Skills

Training requirements associated with the procurement and deployment of the BCS are specified herein, and will be clarified in the ILS Guidance conference. Training development shall be in accordance with FAA-STD-028B.

Training shall be modular in nature. Each module shall address a single major topic or several closely related topics, which provide a logical training sequence when, presented either concurrently or consecutively.

During the development process, SAIC shall host quarterly IPRs. The IPRs shall be scheduled sequentially within the development timeframe of the deliverable, with specific dates determined by SAIC and submitted for NDBC/FAA approval. Courseware to be reviewed shall be submitted for NDBC preliminary review 20 days prior to each IPR start date. An IPR Agenda [CDRL A002] shall be submitted to the NDBC for approval 12 days prior to the IPR. The FAA shall determine the FAA and other Government participants in each IPR. SAIC shall produce the IPR minutes [CDRL A003]. IPR minutes shall be subject to the NDBC/FAA approval.

Knowledge of specific "Operating Systems" shall not be considered a prerequisite for BCS training. Any Operating System knowledge or expertise required for the operation of the BCS shall be included in the training.

SAIC shall furnish, maintain, and update all reference, instruction, and student materials for each class. One complete set of technical instruction books per student shall be made available as reference material and retained in the classroom. At the conclusion of each class, students shall retain all student course materials issued to them, including a copy of each Technical Instruction Book. In addition, four extra sets of student materials shall be delivered to the NDBC, prior to commencement of the first class.

9.6.1.5 Access to NDBC's Facilities and Data

SAIC shall permit FAA training development personnel and/or their designated representatives full access to the SAIC facilities, for reviewing/monitoring training development, upon notification by the NDBC of at least 5 calendar days in advance of any visit. SAIC shall provide FAA specified training personnel or their designated representatives access to any data that will become the property of the FAA. This access includes data on system or equipment hardware, software, and firmware.

9.6.1.6 Training Equipment

SAIC shall provide BCS equipment for the conduct of training as required.

SAIC shall provide an ARTCC and Buoy BCS Equipment Operations and Maintenance Training Course: SAIC shall present up to five classes of subject training, with up to four (4) persons per class. Establishment of a training schedule shall be the responsibility of the FAA. Training content shall include but not be limited to:

1. General Training Tasks

- a. A general overview of the Gulf of Mexico Project and the BCS
- b. BCS Equipment Description
- c. BCS Operation and Maintenance
- d. BCS Software Operations
- 2. Specific tasks shall include but not be limited to: a. Location and identification of all ARTCC and buoy equipment, including satellite and landline communications links.
 - b. Performance of system powerup, powerdown, and switchover/recovery
- Performance of operational/functional checks in accordance with the
- d. Performance of routine periodic/preventive maintenance utilizing the checks and manufacturer's instructions procedures established for the BCS
 - e. Conduct of fault isolation and diagnostics procedures for failures to the LRU level
- f. Performance of all required adjustments to restore the system to operational service, following removal and replacement of the faulty LRU's
- Demonstration of the ability to perform configuration, reconfiguration, restoration, and verification/validation/remote certification of service

The development documents in this section shall apply to the ARTCC and buoy BCS Equipment Operations and Maintenance Course training development. SAIC shall develop, submit, and/or conduct, for Government approval, the following:

- a. Task and Skills Analysis Report [CDRL T001] which shall enable the FAA to identify changes in job performance resulting from the introduction of new equipment and technology and from new workforce requirements.
- b. Course Design Guide [CDRL T002] which shall address the course design, including training outcomes, terminal objectives, enabling objectives, type of learning, technical content, instructional methods, media, and a traceability matrix which cross references tasks selected for training.
- c. Course Schedule [CDRL T003] that, as a minimum, shall include course start/end dates, time allocations for major topics and lessons, major course topics and lessons, points at which tests are administered, and number of instructors.

- d. Student Achievement Tests [CDRL T004] that, as a minimum, shall contain both NTSC SOW 3 JAN 01 instructor and student versions of the test. The instructor version shall address those areas that pertain to the duties of the instructor in the administration of the test. The student version shall contain test instructions and test items.
- e. Lesson Plan [CDRL T005] shall document the course number, course title, preparation date, lesson duration, lesson title, exams and workshop material, other student support material, lesson overview, references, visuals, handouts, and other pertinent information.
- f. Student Materials [CDRL T006] shall contain a student guide, student workbook, and any supplementary materials.
- g. Course Walk-Through [CDRL T009] is an overview of each component of the course, and is presented prior to conducting the first class.
- h. First Course Conduct and Course Report [CDRL T010] shall include the submission of a Validation Plan in accordance with Paragraph 10.3.1, chapter 3 of FAA STD-028B and a Course Report in accordance with Paragraph 10.3.3, chapter 3 of FAA STD-028B.
- i. Theory of Operations Examination [CDRL T011] shall be used to determine whether the examinee possesses the knowledge required to perform tasks on a given equipment or system of equipment.
- j. Performance Evaluation [CDRL T012] shall present a typical work situation in which personnel being tested perform a practical task which requires them to demonstrate the mastery of skills and "hands-on" knowledge required for the performance of their jobs.

10. COMMUNICATIONS SERVICES.

SAIC shall support acquisition and maintenace of all communications services required for testing. Testing shall not interfere with operational communications services for active buoys.

SAIC shall support acquisition of satellite services for the duration of the operation of the BCS.

The FAA will provide the landline services for operation upon acceptance of the BCS. Prior to BCS acceptance by the FAA, the NDBC shall provide for terrestrial landline services and SAIC shall research available lines for the NDBC use.

11. TECHNICAL SUPPORT SERVICES.

SAIC shall provide technical services in support of the design, documentation, configuration management, installation, repair, testing, and integration of the BCS. SAIC shall respond within 24 hours of receipt of a request for assistance by the NDBC/FAA. Such support shall consist of the following:

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- a. Engineering support services include as a minimum: assistance in operating BCS equipment, resolution of equipment problems, resolution of interface problems, and subject matter expertise and OJT for BCS hardware and software.
- b. Hardware maintenance and repair support services including verification of service restoration and logistics/supply support.
- c. Telephone advisory services to provide guidance to FAA personnel to resolve BCS engineering, maintenance, operation, and training problems. This telephone advisory service shall be available Monday through Friday during normal working hours (0800-1700 Central Standard Time).

APPENDIX A: ACRONYMS

| APPENDIX A | A: ACRONING |
|---|--|
| AM ARTCC BCS CDRL CMLS CMTP COTS DID DOD EDP FAA FCA ILS IPR ISP LMI LRU NAILS NAILSMT NDBC PCA PMSR PTD SOW SPR TIB VHF VRTM | Amplitude Modulation Air Route Traffic Control Center Buoy Communications System Contract Data Requirements List Contractor Maintenance and Logistics Support Contractor Master Test Plan Commercial-Off-The-Shelf Data Item Description Department of Defense Engineering Data Package Federal Aviation Administration Functional Configuration Audit Integrated Logistics Support In Process Review Integrated Support Plan Logistics management Information Line Replaceable Unit National Airspace Integrated Logistics Support NAILS Management Team National Data Buoy Center Physical Configuration Audit Project Management Status Report Provisioning Technical Documentation Site Installation Plan Statement of Work System Problem Report Technical Instruction Book Very High Frequency Verification Requirements Traceability Matrix |
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Modification 0025 Page 2D

Accounting and Appropriation Schedule Incrementally Funded - Cost-Plus-Award-Fee

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50-QANW-0-00402 Modification No. 0025 Page 3

This modification provides for incorporation of: (1) the Alaskan Buoy Network Expansion Statement of Work (attached); (2)

for the Alaskan Buoy Network 2. expansion; and (3) incremental contract funding of \$307,921.00.

SCOPE OF WORK, Paragraph (a), is hereby revised as SECTION B.1 follows:

| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | | |
|---|--|--|

- SECTION B.3 ESTIMATED AND ALLOWABLE COSTS -- INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - Estimated cost, base fee, and potential award fee by (1) contract period. Potential

| 60110240 | <u>Potential</u> | |
|---|---|---|
| Period | Estimated Cost | <u>Award Fee</u> |
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | \$7,585,096 \$6,931,254 \$6,772,466 \$6,810,387 \$6,930,906 | \$337,503 \$311,960 \$305,035 \$307,391 \$312,539 |

Total contract value is computed as follows: (2)

\$7,585,096 Total Contract Value

Total funds currently available for payment and allotted to this contract, in accordance with FAR (3) clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

\$6,133,713.20 Total Sum Allotted \$ 337,503.00 07/01/2000 - 04/20/2001 Potential Award Fee Estimated Period of Performance

50-QANW-0-00402 Modification No. 0025 Page 4

6. SECTION B.4 PAYMENT FOR OVERTIME PREMIUMS

As provided in the clause of this contract entitled "Payment for Overtime Premiums" (FAR 52.222-2), the dollar amount of overtime authorized pursuant to said clause shall not exceed the amount specified below for the indicated period, provided also that such authorization shall have been given through the issuance of Technical Directives.

| Performance Period | OT Base Authorized | OT Premium Authorized |
|---|-----------------------|--------------------------|
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | | |

Alaska Buoy Network Expansion Statement of Work

Background:

NDBC is directed to establish seven new buoy stations in the NWS Alaska Region by 30 September, 2003. The new stations will directly support NWS' forecast & warning missions in that Region. Funding to support the activity will be available this fiscal year to begin work. Station establishment will be phased in over a three year period. This statement of work defines the broad requirements and schedule, the basis for development of labor, material, and transportation estimates. An implementation plan and schedule detailing man-hours, material costs, and transportation costs and their allocation over the implementation period should be developed by NTSC in direct response to this statement of work. NDBC will use the implementation schedule to modify the existing NTSC contract, and develop Technical Directives with specific tasking via Internal Work Requests.

Funding:

All funds to support this network expansion are expected to be available as FY2001 funds. Thus, estimated labor costs will be carried forward on the contract from year to year. Funds to purchase materials for all 7 stations should be expended this fiscal year to avoid expiration.

Locations:

Attachment 1 to this statement of work is a priority list of station locations and the approximate water depth at each site. Note that site #7 calls for a 3m buoy. Also, NDBC's expectation is to establish only stations 1 thru 7 on the list. Attachment 1 is subject to change.

Hulls and Equipment:

Priority station locations 1-6 are expected to be 6m VE hulls, and priority location #7 is expected to be a 3m foam hull. Approximate water depths are provided to reference mooring estimates. Since it is impossible to have newly procured hulls and equipment immediately available for this project, existing spares will be used for implementation and until newly procured equipment is available to fit the production schedule.

All stations will be configured to report standard meteorological parameters and nondirectional waves using a single payload, standard sensor configuration, and standard power system. The configuration of all buoys are expected to be as similar as is possible with respect to payloads, sensors, power systems, wiring, hull type, etc. to minimize project costs. Regarding station establishment, it is anticipated that all buoys will be outfitted/refurbished, integrated, and tested at SSC unless NTSC recommends, and NDBC accepts an alternate plan that would positively impact the cost or schedule. Specific hull configurations and site specific mooring

designs will be provided via Internal Work Request after the Technical Directive is established

NDBC is required to establish 7 new stations (attachment 1) by 30 September, 2003 as follows:

-FY2001, stations 1, and 2

-FY2002, stations 3, 4, and 5

-FY2003, stations 6, and 7

Note that the order in which these 7 stations are installed, and the locations are subject to change due to vessel availability or other constraints or efficiencies that come to play.

Staging:

Kodiak will be a major staging site for this project. However, several of the stations are a significant distance from Kodiak and it is possible that other staging locations would be used. This portion of the field plan will be determined over time and is dependent upon the location of various Coast Guard assets and how they will be used to support the project.

Vessel Support:

NDBC will be responsible to procure vessel support. Deployment needs are expected to be met by utilizing available Coast Guard assets. NTSC may utilize other commercial assets for shipping to staging locations on as needed basis, and where deemed cost effective.

Procurement:

NDBC will initiate procurement of major system components such as hulls, payloads, sensors, TDD's, etc. NTSC should include in their project cost estimates the cost to procure other materials normally used to support the refurbishment/outfitting, integration, and testing activities such as batteries, mechanical hardware, cable, etc.

Network Maintenance:

Network maintenance is not considered in this statement of work. Only station establishment and the necessary data quality services for the first year of operation.

Network Spares:

The establishment of network spares to conform to NDBC's standard 1/3 spares policy is not considered in this statement of work.

Conflicts/Efficiencies:

NTSC is encouraged to identify scheduling and manpower conflicts, as well as to recommend efficiencies that would positively impact the schedule or overall cost of the program.

Recommendations for Buoy Systems In Alaska January 16, 2001

Proposed Locations in Priority Order

| 1) | Fairweather Ground 58 deg 26 min 45 sec N 138 deg 32 min 30 sec W About 59 fm |
|----|--|
| 2) | Near the Barren Islands 59 deg 02 min 54 sec N 152 deg 13 min 38 sec W About 66 fm |
| 3) | South side of the Aleutians 52 deg 01 min 50 sec N 172 deg 04 min 00 sec W About 52 fm |
| 4) | Near Cape Yakataga 59 deg 36 min 50 sec N 143 deg 40 min 00 sec W About 95 fm |
| 5) | Southern Shelikof Strait 58 deg 00 min 00 sec N 154 deg 00 min 00 sec W About 110 fm |
| 6) | Western Aleutians 51 deg 19 min 00 sec N 179 deg 05 min 52 sec E About 52 fm |
| 7) | Glacier Bay (3-meter) 58 deg 27 min 16 sec N 136 deg 03 min 16 sec W About 26 fm |
| 8) | South of the AK Pen 54 deg 21 min 00 sec N 162 deg 00 min 00 sec W About 34 fm |
| 9) | Western Aleutians near 170 degrees east Not necessary at this time. |

Buoy Types

NOMADs (6-meter) and one 3- meter (priority # 7)

Standard Met packages should be set on all systems.

| | | | 1 CON | TRACTIO | ODE . | PAGE OF PAGES |
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| Donny S Parker (228) | 688-1705 | | , , | | ENT OF FOL | CITATION NO. |
| Attn: Penny S. Parker (228) 8 NAME AND ADDRESS OF CONTRACTOR (No. street | t, county, State and Z | IP Code) | (V) 9A | A, AMENUM | ENT OF SOC | CITATION III. |
| Science Applications | Internation | al Corp. | | | | |
| Attn. Ms. Parri Enge. | Lsen | | 96 | B. DATED (S | EE ITEM 11) | |
| One Hampton Parkway, | Suite 300 | | | | | |
| Hampton, VA 23666 | | | 10 | A. MODIFI | CATION OF C | ONTRACT/ORDER |
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| tended | the house and date o | nacified in the solicitatio | n or as a | mended, by | one of the foll | owing methods |
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| letter provided each telegram or letter makes reference to | , 110 00 | his amendment, and is rec | 281VEQ PI | 101 10 1110 00 | 011111g 110 mm | |
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| See Accounting/Appropriati 13 THIS ITEM APPLI | Olis Schedar | | | | | |
| 13 THIS ITEM APPLI | CONTRACT/ORD | ER NO AS DESCRIE | BED IN | ITEM 14. | | |
| TA THIS CHANGE ORDER IS ISSUED PURSUAN | TTO: (Specify author | ty) THE CHANGES SE | TFORT | HINITEM: | 4 ARE MADE | EIN THE CON- |
| TRACT ORDER NO. IN ITEM 10A. | | | | | | |
| 8. THE ABOVE NUMBERED CONTRACT/ORDE appropriation date, etc.) SET FORTH IN ITEM | R IS MODIFIED TO R | EFLECT THE ADMINIS | TRATI | VE CHANGE 13(b). | S (such as cha | nges in paying office. |
| | | | | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTE | and condi | tions of cont | tract | e; by m | utual a | greement. |
| DOTHER (Specify type of modification and author | ority) | | | | | |
| XX FAR 52.232-22 - "Limitat | ions of Fund | is." | | | | |
| | | deciment and ratio | rn 3 | CODIA | es to the issu | ına office. |
| E IMPORTANT: Contractor Is not, X | s required to sign to | of a badding uncluding | s solicita | tion/contrac | t subject matte | r where feasible) |
| 1. ACCOUNTING AND APPROPRI | AMIONS SCHE | DULE of the | subi | ect co | ntract : | is |
| hereby revised by addit | ion to page | 2D, attach | ed: | | | |
| nereby levised by additi | | | | _ | | |
| | Contract | Value | <u>To</u> | tal Sur | n Allot | ted |
| | | | , | 100 7 | 12 20 | |
| Previous Value | \$7,585, | 096 | \$6 | ,133,7 | 13.20 | |
| This Action | 63, \$7,648, | 498 504 | \$ 6 | <u> </u> | 13-20 | |
| Current Value | \$1,648, | 594 | 40 | , 135 , 7. | 10120 | |
| | | | | | | |
| | | | | | | |
| Except as provided herein, all terms and conditions of the | e document references | i in item 9A or 10A, as h | eretofor | e changed, re | mains unchan | ged and in full force |
| and effect. 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TIT | LEOF | CONTRACT | NG OFFICER | (Type or print) |
| | _ | PENNY S | | | | |
| Parri Engelsen, Contracts Manager | | Contracting | ng Ot | TICEL | | 16C. DATE SIGNED |
| 15B. CONTRACTOR OFFEROR | | D 168. UNITED STATE | ili. | 2)//0 | 1 | 2/12/11 |
| - Culot C | 3/12/01 | BY (Signatu) | re or ear | tracting Off | (cer) | 10/0/01 |
| (Signature of person authorized to sign) | | (Signatur | , ., | | | ORM 30 (REV. 10-83) |
| NSN 7540-01-152-8070 | 3 | 0-105 | | p | rescribed by G | ISA |
| PREVIOUS EDITION UNUSABLE | | | | F | AR (48 CFR) | 53,243 |

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50-QANW-0-00402

Modification 0026 Page 2D

Accounting and Appropriation Schedule Incrementally Funded - Cost-Plus-Award-Fee

| 0023 | S-23 S-24 | RM1J1NRS 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 <u>70,841.00</u> \$628,441.00 | \$5,825,792.20 | 03/01/01 |
|------|--------------|--|--|----------------|----------|
| 0024 | | N/A | | \$5,825,792.20 | 03/02/01 |
| 0025 | S-25 | 8M1J35AB 1WG9500 2513 | \$307,921.00 \$307,921.00 | \$6,133,713.20 | 03/06/01 |
| 0026 | | N/A | | \$6,133,713.20 | 03/07/01 |

50-QANW-0-00402 Modification No. 0026 Page 3

 This modification provides for incorporation of overtime hours.

3. SECTION B.1 <u>SCOPE OF WORK</u>, Paragraph (a), is hereby revised as follows:

| <u>Period</u> | ST Hours | O/T Hours | Total Hours |
|---|----------|-----------|-------------|
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 07/01/04-06/30/05 | | | |

- 4. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS -- INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,648,594 | \$340,570 |
| 07/01/01-06/30/02 | \$6,931,254 | \$311,960 |
| 07/01/02-06/30/03 | \$6,772,466 | \$305,035 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

Total Contract Value \$7,648,594

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted \$6,133,713.20

Potential Award Fee \$ 340,570.00

Estimated Period of Performance 07/01/2000 - 04/13/2001

50-QANW-0-00402 Modification No. 0026 Page 4

5. SECTION B.4 PAYMENT FOR OVERTIME PREMIUMS

As provided in the clause of this contract entitled "Payment for Overtime Premiums" (FAR 52.222-2), the dollar amount of overtime authorized pursuant to said clause shall not exceed the amount specified below for the indicated period, provided also that such authorization shall have been given through the issuance of Technical Directives.

| Performance Period | <u>OT Base</u> <u>Authorized</u> | <u>OT Premium</u> <u>Authorized</u> |
|--|-------------------------------------|--|
| 07/01/00-06/30/01 07/01/01-06/30/02 07/01/02-06/30/03 07/01/03-06/30/04 | | |
| 07/01/04-06/30/05 | | |

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE 30-105

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53 243

50-QANW-0-00402

Modification 0027 Page 2D

Accounting and Appropriation Schedule Incrementally Funded - Cost-Plus-Award-Fee

| 0023 | S-23 S-24 | RM1J1NRS 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 <u>70,841.00</u> \$628,441.00 | \$5,825,792.20 | 03/01/01 |
|------|--------------|--|--|----------------|----------|
| 0024 | | N/A | | \$5,825,792.20 | 03/02/01 |
| 0025 | S-25 | 8M1J35AB 1WG9500 2513 | <u>\$307,921.00</u> \$307,921.00 | \$6,133,713.20 | 03/06/01 |
| 0026 | | N/A | | \$6,133,713.20 | 03/07/01 |
| 0027 | S-26 | 8M1J30A2 8M1J35UB RM1J04R4 RM1J00RX RM1JW2RF 1WG9500 2513 | \$500,000.00 200,000.00 1,300.00 15,000.00 15,000.00 \$731,300.00 | \$6,865,013.20 | 03/27/01 |

50-QANW-0-00402 Modification No. 0027 Page 3

- This modification provides for incorporation of: (1) correction of a typographical error on Modification No. 0023 page 1, to change the NET INCREASE from \$628,411.00 to read \$628,441.00; and (2) \$731,300.00 in incremental contract funding.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED</u> <u>CONTRACT</u>, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,648,594 | \$340,570 |
| 07/01/01-06/30/02 | \$6,931,254 | \$311,960 |
| 07/01/02-06/30/03 | \$6,772,466 | \$305,035 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

| Total | Contract | Value | \$7 | 7,648, | 594 |
|-------|----------|-------|-----|--------|-----|

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

| Total Sum Allotted | \$6,865,013.20 |
|---------------------------------|-------------------------|
| | |
| Potential Award Fee | \$ 340,570.00 |
| Estimated Period of Performance | 07/01/2000 - 05/25/2001 |

| | VACOUS OF TROPE | OF CONTRACT | 1 C | ONTRACT ID | CODE | PAGE OF PAGES |
|--|--|--|---------------|---------------------------|---------------|-----------------------------|
| AMENDMENT OF SOLICITATION | | | R | (CPAF) | | 1 1 3 |
| ,2 AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PURG | | | | TNO. (If applicable) |
| 0028 | 3/29/01 | NWWG95001106 | 86 | S = 27 her than Item 6 | N/A | T |
| U. S. Department of Commer | - - | | | | ' CODE | |
| National Data Buoy Center | | | | | | |
| Stennis Space Center, MS | 39529-6000 | | | | | |
| | 00 600 1705 | | | | | |
| Attn: Penny S. Parker (22 8 NAME AND ADDRESS OF CONTRACTOR (No. | , street, county, State and 2 | ZIP Code) | (√) | 9A. AMENDM | ENT OF SO | LICITATION NO. |
| Science Application | s Internation | | | | | |
| Attn: Ms. Sabrina | Benthall | | | 9B, DATED (S | ER ITEM II | () |
| One Hampton Parkway | r, Suite 300 | | ł | 35, 57, 125 (5 | | • |
| Hampton, VA 23666 | | | | 10A. MODIFIC | ATION OF | CONTRACT/ORDER |
| (757) 827-4846 | | | | 1.0. | | |
| , , , , , , , , , , , , , , , , , , , | | | X | 50-OAN | W-0-00 | 402 |
| CODE | FACILITY CODE | | - | May 18 | | |
| CODE 11 THIS ITE | M ONLY APPLIES TO | AMENDMENTS OF SC | OLIC | | , 2000 | |
| The above numbered solicitation is amended as | | | | |] is extend | led is not ex- |
| tended | | | | | | |
| Offers must acknowledge receipt of this amendment | prior to the hour and date | specified in the solicitation | n or a | s amended, by o | one of the fo | llowing methods |
| (a) By completing Items 8 and 15, and returningsubmitted, or (c) By separate letter or telegram wh | ich includer a reference to t | he collectation and amend: | ment | numbers HAII | HRE OF YO | JUR ALKNUWLEDU- |
| MENT TO BE RECEIVED AT THE PLACE DESIGN | NATED FOR THE RECEIP | T OF OFFERS PRIOR TO | HT C | HOUR AND L | JA I E SPECI | e made by telegram or |
| letter, provided each telegram or letter makes referei | nce to the solicitation and th | his amendment, and is rece | eived | prior to the ope | ning hour ar | id date specified |
| 12. ACCOUNTING AND APPROPRIATION DATA | | | | | 475 | 0.000.00 |
| See Accounting/Appropriati | ons Schedule: PLIESONLY TO MOD | | | | | 0.000.00 |
| IT MODIETES | THE CONTRACT/ORD | ER NO AS DESCRIBI | FD II | VITEM 14 | | |
| (V) A. THIS CHANGE ORDER IS ISSUED PURS | JANT TO: (Specify author | nty) THE CHANGES SET | FOR | TH IN ITEM 14 | ARE MAD | EIN THE CON- |
| | | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/O appropriation date, etc.) SET FORTH IN IT | RDER IS MODIFIED TO R 'EM 14, PURSUANT TO T | EFLECT THE ADMINIST HE AUTHORITY OF FAR | TRAT R 43. | IVE CHANGES | s (such as ch | anges in paying office, |
| C. THIS SUPPLEMENTAL AGREEMENT IS | NTERED INTO PURSUAL | NT TO AUTHORITY OF: | | | | |
| X Under scope, within te | rms and condi | tions of cont | rac | t; by m | utual a | agreement. |
| | | | | | | |
| X FAR 52.232-22 - "Limit | | | | | | |
| E. IMPORTANT: Contractor is not, | X is required to sign th | is document and return | 3ـــــــ ٦ | copies | to the issu | ang office |
| 14. DESCRIPTION OF AMENDMENT/MODIFICA | TION (Organized by UCF se | ction headings, including | solici | ation/contract | subject matt | er where feasible) |
| 1. ACCOUNTING AND APPROP | RIATIONS SCHE | DULE of the s | ubi | ect con | tract : | is |
| hereby revised by add | | | | | | |
| - | | | | | | |
| | Contract | t Value | TC | tal Sum | Allot | <u>ced</u> |
| Previous Value | \$7,648 , ! | 594 | \$6 | ,865,01 | 3.20 | |
| This Action | | | | | | |
| Current Value | \$7,694,9 | 933 | \$7 | 150,000 | 3.20 | |
| | /m | | | | | |
| Except as provided herein, all terms and conditions of | (Continued) | In Item 90 or 100 as her | etofo | re changed rem | ains unchan | and and in full force |
| and effect. | | 16A. NAME AND TITLE | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or prin Sabrina S. Benthall | 14) | PENNY S. PA | | | , , , , , , | sever is estimate |
| Contracts Representative | | Contracting (| | | | |
| 158 CONTRACTOR/OFBEROR | 15C. DATE SIGNED | 168. WHITED STATES | OF A | MERICA) | | 16C. DATE SIGNED |
| A STURA DINATHAL | 4/9/01 | BY KRY | 30 | MU | uu l | 4/10/01 |
| (Signature of person authorized to sign) | | (Signature | or co | ntracting Office | | <u></u> |
| | | 105 | | eT/ | いいりゅう ほん | 1 RM 38 (REV. 10-83) |

__ ...

NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE 30-105

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

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Modification 0028 Page 2D

50-QANW-0-00402

Accounting and Appropriation Schedule Incrementally Funded - Cost-Plus-Award-Fee

| 0023 | S-23 S-24 | RM1J1NRS 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 70,841.00 \$628,441.00 | \$5,825,792.20 | 03/01/01 |
|------|--------------|--|---|----------------|----------|
| 0024 | | N/A | | \$5,825,792.20 | 03/02/01 |
| 0025 | S-25 | 8M1J35AB 1WG9500 2513 | \$307,921.00 \$307,921.00 | \$6,133,713.20 | 03/06/01 |
| 0026 | | N/A | | \$6,133,713.20 | 03/07/01 |
| 0027 | S-26 | 8M1J30A2 8M1J35UB RM1J04R4 RM1J00RX RM1JW2RF 1WG9500 2513 | \$500,000.00 200,000.00 1,300.00 15,000.00 <u>15,000.00</u> \$731,300.00 | \$6,865,013.20 | 03/27/01 |
| 0028 | S-27 | BM1J89RA 1WG9500 2513 | \$150,000.00 \$150,000.00 | \$7,015,013.20 | 03/29/01 |

50-QANW-0-00402 Modification No. 0028 Page 3

- 2. This modification provides for incorporation of: (1) an additional \$24,098 in sea pay; (2) an additional \$1,500 in Miscellaneous Other Direct Costs; (3) \$9,872 for the update to Digital Signal Processing Interface Unit (DIU) software for the FAA GOM Buoy Project (IWR attached); and (4) incremental contract funding of \$150,000.00.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED CONTRACT</u>, Paragraphs (1), (2), and (3) are hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | Award Fee |
|-------------------|----------------|-----------|
| 07/01/00-06/30/01 | \$7,694,933 | \$342,808 |
| 07/01/01-06/30/02 | \$6,931,254 | \$311,960 |
| 07/01/02-06/30/03 | \$6,772,466 | \$305,035 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

Total Contract Value \$7,694,933

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

| Total Sum Allotted | \$7,015,013.20 | | |
|--|--|--|--|
| | | | |
| Potential Award Fee Estimated Period of Performance | \$ 342,808.00 07/01/2000 - 05/25/2001 | | |

| INTERN | IAL WORK | REQUES | T IW | R NUMBER | 20100 | | REVISION: A | DATE |
|-------------------------|-------------|--------|-------------|-------------|---------------------|-----------|--|------------|
| REQUESTED BY | | | | E: 2372 | DATE: MAR 01, 20 | ļ. | OVED FOR EST MAZING (ACOTR). | - 3/5/01 |
| | RALPHIT. CA | | STIMATED | COSTS | | | NDBC APPROVAL | TO PROCEED |
| DEPT | MAN-H | HOURS | LABOR \$ | MAT'L \$ | SHIP \$ | TVL \$ | IWR MONITOR: | DATE |
| | REG . | OT . | | | · . | | *TECHNICAL MONITOR/PROJECT COORDINATOR: | DATE: |
| | : | | | | | | ACOTR: | DATE: |
| TOTALS THIS REVISION | | | | | | | ACHIEVEMENT COORDINATOR: | DATE. |
| CUMULATIVE FOR | | | | | | | NTSC ACCEPTANCE | DATE |
| REVISIONS | | | | | | | | |

REVISION DESCRIPTION

TITLE: FAA BUOY COMMUNICATIONS PROJECT - PRODUCTION PHASE

CRITICALLY: 1

COMPLEXITY: 5

FUND SOURCES:

Contractor Labor & Travel: 1RA MSR/PR/SWR: RA2 Transportation Costs:

PURPOSE:

This revision addresses the specific task of updating the Digital Signal Processing Interface Unit (DIU) software to:

- 1. Comply with the discussions held at the FAA BCS Project Design Review Requirements Meeting on October 19, 2000 at the SSC under Miscellaneous tem #2 that stated, "The embedded software will be modified so that the Path Controller will send a serial command to the DIU to un-key the VHF transceiver after the path switch function is completed".
- 2. Provide automatic recovery from inadvertent "Loop Back Mode" anomalies.

Specific Subtask:

- a. DIU unkey modification
- b. DIU loop back timer modification
 c. DIU DTMF encode/decode loop back modification
- d. Provide overview of DIU C program to other BCS Project personnel.

This effort is being covered under this separate revision since it had not been identified at the time of the initial release of IWR 201004.

Work is to continue to be performed in accordance with the NDBC Statement of Work dated 3 January 2001.

cc: W/DB1 - JHM, W/DB2 - EM, KON W/DB3 - DL

| | | | 1. C | ONTRACT ID C | ODE | PAGE O | FPAGES |
|---|--|--|--------------|--|-----------------------------|--|------------------|
| AMENDMENT OF SOLICITATION | N/MODIFICATION (| OF CONTRACT | R | (CPAF) | | 1 | 3 |
| AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PUF | | | 5. PROJECT | NO. (IF ap | риссонт) |
| 0029 | 04/18/01 | NWWG9500110 | 822; | S-28 | N/A | | |
| ISSUED BY CODE | OA | 7. ADMINISTERED B | Y (If o | ner man Hem 0) | CODE | L | |
| U.S. Department of Commer | | | | | | | |
| National Data Buoy Center | r | | | | | | |
| Stennis Space Center, MS | 39529-6000 | | | | | | |
| | | | | | | | |
| Attn: Penny S. Parker (2 NAME AND ADDRESS OF CONTRACTOR (No. | 28) 688-1/05 | ZIP Code) | (/) | 9A. AMENDME | NT OF SOL | ICITATIO | N NO. |
| NAME AND ADDRESS OF CONTRACTOR (170) | . Tubounotion | al Corp | 1,47 | | | | |
| Science Application | us internacion | ar corp. | | | | | |
| Attn: Ms. Sabrina One Hampton Parkway | gentharr | | | 9B. DATED (SI | EE ITEM 11 |) | |
| Hampton, VA 23666 | y, bures soo | | | 10A, MODIFIC | OF ON OF | CONTRAC | TOPDE |
| nampton, va 25000 | | | | NO. | ATIONOF | CONTRAC | 170 KBCK |
| (757) 827-4842 | | | X | 50-QAN | 0.0-0-W | 402 | |
| (/5/) 82/-4842 | | | /\frac{1}{2} | 10B. DATED (| | | |
| | T=:::::::::::::::::::::::::::::::::::: | | \dashv | May 18 | | -• | |
| ODE | FACILITY CODE M ONLY APPLIES TO | AMENDMENTS OF | SOLIC | | <u> </u> | | |
| | | | | · · · · · · · · · · · · · · · · · · · | 1 | . [| in not av |
| The above numbered solicitation is amended as | s set forth in Item 14. The h | our and date specified fo | or recei | pt of Offers L | ∟ is extend | ea, L | is not ex- |
| ended | as the best and date | enecified in the solicitat | ion of s | is amended, by o | ne of the fo | llowing me | thods |
| offers must acknowledge receipt of this amendment By completing Items 8 and 15, and returning | copies of the amend | ment. (b) By acknowled | lging re | ceipt of this ame | ndment on | each copy o | f the offe |
| ubmitted or (c) By separate letter or telegram wi | HCH HICHGGG & Laver of the | | TO TH | E LICHE AND C | へんてき ちわきつ | IFIFD MAY | HESUL |
| ACNIT TO BE BECEIVED AT THE PLACE DESIG | MAILD FOR THE HEALT | | | ! | ance may be | o made hv 1 | elegram o |
| etter, provided each telegram or letter makes refere | HICE TO THE SOMETHING THE | this amendment, and is r | eceived | prior to the ope | ning nour ar | id date spec | |
| ACCOUNTING AND APPROPRIATION DATA | (If required) | | | T INCREA | | 24,00 | |
| See Accounting/Appropria | ations Schedul | | | | | 2-1700 | - |
| 13 THIS ITEM A | PPLIES ONLY TO MOD | DIFICATIONS OF CO | NTRA | ACIS/ORDER | 5, | | |
| IT MODIFIES | THE CONTRACT/ORD | OF NO. AS DESCH | ET FO | THINITEM 1 | ARE MAD | EINTHE | CON- |
| IT MODIFIES W) A. THIS CHANGE ORDER IS ISSUED PURS TRACT ORDER NO. IN ITEM 10A. | SOMIAL TO: (Breeze) dumo | | | | | | |
| | | | | | | | |
| B. THE ABOVE NUMBERED CONTRACT/C appropriation date, etc.) SET FORTH IN I | TEM 14, PURSUANT TO T | HE AUTHORITY OF F | AR 43 | .103(b). | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS | ENTERED INTO PURSUA | NT TO AUTHORITY C | F: | | | | |
| | | | | | | | |
| D OTHER (Specify type of modification and | l authority) | | | | | | |
| X FAR 52-232-22 - "Limit | tation of Fund | .s." | | | | | |
| E IMPORTANT: Contractor XX is not, | is required to sign t | his document and ret | urn . | copies | to the issu | ung office | ١. |
| E IMPORTANT: Contractor (12) is not, 14 DESCRIPTION OF AMENDMENT/MODIFICA | TION (Organized by NCE) | ection headings, includi | ng solic | itation/contract | subject mat | ter where fe | asible.) |
| | DDTATIONS SCHE | EDITE of the | sub | ject con | tract | is | |
| hereby revised by ad | dition to page | 2D , attach | ned: | 3 | | | |
| Hereby revised by ad | uzuzu z ee gesj | - · | | | | _ | |
| | | | | otal Sum | <u>Allot</u> | .te <u>d</u> | |
| | Contract | z Value | Ţ | OCCE DOM | | | - |
| | Contract | | 7 | • | | | • |
| Previous Value | \$7,694, | 933 | \$ | 7,015,01 | 3.20 | | |
| Previous Value This Action | \$7,694, | 933 | \$ | 7,015,01 | 3.20 | | · |
| | <u></u> | 933 | \$ | • | 3.20 | | · |
| This Action | \$7,694, - 0 \$7,694, | 933 - 933 | \$ | 7,015,01 | 3.20 | | • |
| This Action | \$7,694, | 933 - 933 | \$ | 7,015,01 | 3.20 | | |
| This Action Current Value | \$7,694, - 0 \$7,694, (Contir | 933 - 933 nued) | \$ \$ | 7,015,01 824,00 7,839,01 | 3.20 0.00 3.20 | | full force |
| This Action Current Value Except as provided herein, all terms and conditions and effect. | \$7,694, - 0 \$7,694, (Contir | 933 - 933 nued) | \$ | 7,015,01 824,00 7,839,01 | 3.20 0.00 3.20 | nged and in | full force |
| This Action Current Value | \$7,694, - 0 \$7,694, (Contir | 933 - 933 nued) | \$ | 7,015,01 824,00 7,839,01 | 3.20 0.00 3.20 | nged and in | full force |
| This Action Current Value Except as provided herein, all terms and conditions and effect. | \$7,694, - 0 \$7,694, (Contir s of the document reference | 933 933 nued) d in Item 9A or 10A, as | \$ hereto | 7,015,01 824,00 7,839,01 | 3 . 20 0 . 0 0 3 . 20 | nged and in R (Type or | print) |
| This Action Current Value Except as provided herein, all terms and conditions and effect. 15A. NAME AND TITLE OF SIGNER (Type or property) | \$7,694, - 0 \$7,694, (Contir s of the document reference | 933 933 nued) d in Item 9A or 10A, as | \$ hereto | 7,015,01 824,00 7,839,01 | 3 . 20 0 . 0 0 3 . 20 | nged and in R (Type or | print) |
| This Action Current Value Except as provided herein, all terms and conditions and effect. | \$7,694, - 0 \$7,694, (Contir s of the document reference | 933 933 1ued) Id in Item 9A or 10A, as 16A, NAME AND TI Penny S. I | \$ hereto | 7,015,01 824,00 7,839,01 Fore changed, rer CONTRACTION | 3 . 20 0 . 0 0 3 . 20 | nged and in R (Type or G Off: 16C. DA | icer TE SIGNE |
| This Action Current Value Except as provided herein, all terms and conditions and effect. 15A. NAME AND TITLE OF SIGNER (Type or provided in the conditions and conditions and conditions and effect. | \$7,694, - 0 \$7,694, (Contir s of the document reference Fint) | 933 933 nued) d in Item 9A or 10A, as | \$ hereto | 7,015,01 824,00 7,839,01 Fore changed, rer CONTRACTION | 3 . 20 0 . 0 0 3 . 20 | nged and in R (Type or G Off: 16C. DA | print) |

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Accounting and Appropriation Schedule Incrementally Funded - Cost-Plus-Award-Fee

| 0023 | S-23 S-24 | RM1J1NRS 8M1J30A2 BM1J89RA 1WG9500 2513 | \$(8,000.00) 565,600.00 <u>70,841.00</u> \$628,441.00 | \$5,825,792.20 | 03/01/01 |
|------|--------------|--|--|----------------|----------|
| 0024 | | N/A | | \$5,825,792.20 | 03/02/01 |
| 0025 | S-25 | 8M1J35AB 1WG9500 2513 | <u>\$307,921.00</u> \$307,921.00 | \$6,133,713.20 | 03/06/01 |
| 0026 | | N/A | | \$6,133,713.20 | 03/07/01 |
| 0027 | S-26 | 8M1J30A2 8M1J35UB RM1J04R4 RM1J00RX RM1JW2RF 1WG9500 2513 | \$500,000.00 200,000.00 1,300.00 15,000.00 15,000.00 \$731,300.00 | \$6,865,013.20 | 03/27/01 |
| 0028 | S-27 | BM1J89RA 1WG9500 2513 | <u>\$150,000.00</u> \$150,000.00 | \$7,015,013.20 | 03/29/01 |
| 0029 | S-28 | 8M1J30A2 8M1J35UB RM1JRNRV 1WG9500 2513 | \$500,000.00 316,000.00 <u>8,000.00</u> \$824,000.00 | \$7,839,013.29 | 04/18/01 |

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- 2. This modification provides for incorporation of incremental contract funding of \$824,000.00.
- 3. SECTION B.3 <u>ESTIMATED AND ALLOWABLE COSTS--INCREMENTALLY FUNDED</u> <u>CONTRACT</u>, Paragraph (3) is hereby revised as follows:
 - (a) Estimated Costs, Fee, and Sum Allotted
 - (1) Estimated cost, base fee, and potential award fee by contract period.

| <u>Period</u> | Estimated Cost | <u>Potential</u> <u>Award Fee</u> |
|-------------------|----------------|--------------------------------------|
| 07/01/00-06/30/01 | \$7,694,933 | \$342,808 |
| 07/01/01-06/30/02 | \$6,931,254 | \$311,960 |
| 07/01/02-06/30/03 | \$6,772,466 | \$305,035 |
| 07/01/03-06/30/04 | \$6,810,387 | \$307,391 |
| 07/01/04-06/30/05 | \$6,930,906 | \$312,539 |

(2) Total contract value is computed as follows:

| | <u> </u> | | 67 604 922 |
|-------|----------|-------|-------------|
| Total | Contract | Value | \$7,694,933 |

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

| Total Sum Allotted | \$7,839,013.20 |
|---|--|
| | |
| Potential Award Fee Estimated Period of Performance | \$ 342,808.00 07/01/2000 - 06/30/2001 |
| ED 62 | |